

SOLICITATION, OFFER AND AWARD				1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING		PAGE 1 OF 69 PAGES			
2. CONTRACT NO.		3. SOLICITATION NO. N00174-06-R-0036		4. TYPE OF SOLICITATION [] SEALED BID (IFB) [X] NEGOTIATED (RFP)		5. DATE ISSUED 17 May 2006		6. REQUISITION/PURCHASE NO.			
7. ISSUED BY NAVSEA INDIAN HEAD 101 STRAUSS AVE BLDG 1558 WILLY.QUIAMBAO@NAVY.MIL CODE C13Q INDIAN HEAD MD 20640-5035				CODE N00174		8. ADDRESS OFFER TO (If other than Item 7)		CODE			
				See Item 7				TEL: FAX			
NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".											
SOLICITATION											
9. Sealed offers in original and <u>2</u> copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in <u>Bldg. 1558</u> until <u>03:00 PM</u> local time <u>19 Jun 2006</u> (Hour) (Date)											
CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.											
10. FOR INFORMATION CALL:		A. NAME WILLY B. QUIAMBAO		B. TELEPHONE (Include area code) (NO COLLECT CALLS) 301/744-6789			C. E-MAIL ADDRESS willy.quiambao@navy.mil				
11. TABLE OF CONTENTS											
(X)	SEC.	DESCRIPTION		PAGE(S)	(X)	SEC.	DESCRIPTION		PAGE(S)		
PART I - THE SCHEDULE					PART II - CONTRACT CLAUSES						
X	A	SOLICITATION/ CONTRACT FORM		1		I	CONTRACT CLAUSES				
X	B	SUPPLIES OR SERVICES AND PRICES/ COSTS		2 - 11	PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS						
X	C	DESCRIPTION/ SPECS./ WORK STATEMENT		12 - 69		J	LIST OF ATTACHMENTS				
	D	PACKAGING AND MARKING			PART IV - REPRESENTATIONS AND INSTRUCTIONS						
	E	INSPECTION AND ACCEPTANCE				K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS				
	F	DELIVERIES OR PERFORMANCE									
	G	CONTRACT ADMINISTRATION DATA				L	INSTRS., CONDS., AND NOTICES TO OFFERORS				
	H	SPECIAL CONTRACT REQUIREMENTS				M	EVALUATION FACTORS FOR AWARD				
OFFER (Must be fully completed by offeror)											
NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.											
12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.											
13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)											
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):				AMENDMENT NO.		DATE		AMENDMENT NO.		DATE	
15A. NAME AND ADDRESS OF OFFEROR		CODE		FACILITY		16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)					
15B. TELEPHONE NO (Include area code)		<input type="checkbox"/>		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.		17. SIGNATURE		18. OFFER DATE			
AWARD (To be completed by Government)											
19. ACCEPTED AS TO ITEMS NUMBERED				20. AMOUNT		21. ACCOUNTING AND APPROPRIATION					
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)() <input type="checkbox"/> 41 U.S.C. 253(c)()						23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)		ITEM			
24. ADMINISTERED BY (If other than Item 7)				CODE		25. PAYMENT WILL BE MADE BY CODE					
26. NAME OF CONTRACTING OFFICER (Type or print) TEL: EMAIL:						27. UNITED STATES OF AMERICA (Signature of Contracting Officer)		28. AWARD DATE			

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

Section B - Supplies or Services and Prices

LOT I- BASIC REQUIREMENT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	MK 108 MOD 0 Demolition Charge Case in accordance with all associated drawings, specifications, and standards.				
					<hr/>
NET AMT					

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AA	Same as 0001, First Article	3	Each		
					<hr/>
NET AMT					

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AB	Same as 0001- Production	225	Each		
					<hr/>
NET AMT					

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	EOD Refill Kit (Case, Demolition Charge) in accordance with drawing 8179260 and all associated drawings, specifications, and standards.				
					<hr/>
NET AMT					

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002AA	Same as 0002, First Article	3	Each		
					<hr/>
NET AMT					

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002AB	Same as 0002, Production	36	Each		
					<hr/>
NET AMT					

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	Flexible Arm Assembly Pack in accordance with drawing 8179194, notes, 6, 7 & 8 apply.				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AA	Same as 0003, First Article	3	Each		
					<hr/>
NET AMT					

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AB	Same as 0003, Production	213	Each		
					<hr/>
NET AMT					

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	Magnet Assembly Pack in accordance with drawing 8179193, notes 8, 9, and 10 apply.				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AA	Same as 0004, First Article	3	Each		
					<hr/>
NET AMT					

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AB	Same as 0004, Production	213	Each		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005	Monthly Status Report in accordance with paragraph 6.3 of the statement of work				NSP

LOT II- OPTION YEAR I

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006		15	Each		
OPTION	Attachment Component Pack Packaged and marked in accordance with paragraph 3.1.2.1 of the statement of work.				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007		28	Each		
OPTION	EOD Refill Kit (Case, Demolition Charge)in accordance with drawing 8179260 and all associated drawings, specifications, and standards.				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0008		90	Each		
OPTION	Flexible Arm Assembly in accordance with drawing 8179194, notes 6, 7, and 8 apply. Assemblies shall be placed in over pack exterior fiberboard box(s) packed and marked in accordance with paragraph 3.1.2.3 of the statement of work.				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009		90	Each		
OPTION	Magnet Assembly in accordance with drawing 8179193, notes 8, 9, and 10 apply. Assemblies shall be placed in over pack exterior fiberboard box(s) packed and marked in accordance with paragraph 3.1.2.4. of the statement of work				

 NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0011					NSP
OPTION	Monthly status reports in accordance with paragraph 6.3 of the statement of work.				

LOT III-OPTION YEAR II

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0012		15	Each		
OPTION	Attachment Component Pack packaged and m accordance with paragraph 3.1.3.1. of of the statement of work.				

 NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013		28	Each		
OPTION	EOD Refill Kit (Case, Demolition Charge) in accordance with drawing 8179260 and all associated drawings, specifications, and standards.				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0014		90	Each		
OPTION	Flexible Arm Assembly in accordance with drawing 8179194, notes 6, 7, and 8 apply. Assemblies shall be placed in over pack exterior fiberboard box(s) packed and marked in accordance with paragraph 3.1.3.3 of the statement of work.				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0015		90	Each		
OPTION	Magnet Assembly in accordance with drawing 8179193, notes 8, 9, and 10 apply. Assemblies shall be placed in over pack exterior fiberboard box(s) packed and marked in accordance with paragraph 3.1.3.4 of the statement of work.				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0016		90	Each		
OPTION	Suction Cup Assembly in accordance with drawing 8179192, notes 4, 5, and 6 apply. Assemblies shall be placed in over pack exterior fiberboard box(s) packed and marked in accordance with paragraph 3.1.3.5 of the statement of work.				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0017					NSP
OPTION	Monthly Status Reports in accordance with paragraph 6.3 of the statement of work.				

Section C - Descriptions and Specifications

Section C - Descriptions and Specifications

CLAUSES INCORPORATED BY FULL TEXT

STATEMENT OF WORK

NAVAL EXPLOSIVE ORDNANCE DISPOSAL
TECHNOLOGY DIVISION
STATEMENT OF WORK
FOR

THE PROCUREMENT OF THE
MK 108 MOD 0 DEMOLITION CHARGE CASE, EOD REFILL KIT (CASE, DEMOLITION CHARGE),
FLEXIBLE ARM ASSEMBLY PACK, MAGNET ASSEMBLY PACK, ATTACHMENT COMPONENT PACK,
AND SUCTION CUP ASSEMBLY PACK

1.0 SCOPE

The MK 108 MOD 0 Demolition Charge Case is a development item consisting of two protective Pelican cases. One case contains individual piece parts for the assembly of six inert energetic tools (ET) plus accessories, and the other protective case contains three different attachment methods and two distinctive aiming mechanisms. The EOD Refill Kit (Case, Demolition Charge) is a fiberboard box consisting of a quantity of consumable items used with MK 108 MOD 0 Demolition Charge Case. The Flexible Arm Assembly Pack is a fiberboard box consisting of a quantity of Flexible Arm Assemblies. The Magnet Assembly Pack is a fiberboard box consisting of a quantity of Magnet Assemblies. The Attachment Components Pack is a fiberboard box consisting of a quantity of attachment tools and aiming mechanisms. The Suction Cup Assembly Pack is a fiberboard box consisting of a quantity of Suction Cup Assemblies.

2.0 APPLICABLE DOCUMENTS

2.1 Specifications.

SYSTEM

DTL WS 34035	Detail Specification Product Fabrication Specification Demolition Charge Case Packaging Assembly (Empty) and EOD Refill Kit (Case, Demolition Charge)
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FEDERAL

A-A-1671	Tape, Gummed
A-A-59136	Cushioning Material, Packaging, Closed Cell Foam Plank
FED-STD-313	Material Safety Data, Transportation Data, and Disposal Data for Hazard Materials Furnished to the Government

MILITARY

MIL-DTL-117	Bags, Heat Sealable
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MIL-B-121	Barrier Material, Greaseproofed, Waterproofed, Flexible
MIL-A-8625	Anodic Coatings for Aluminum and Aluminum Alloys
MIL-PRF-22191	Barrier Materials, Transparent, Flexible, Heat Sealable
MIL-STD-129	Standard Practice for Military Marking
MIL-STD-130	Identification Marking for U S Military Property
MIL-STD-2073	Standard Practice for Military Packaging
MIL-PRF-16173	Corrosion Preventive Compound
MIL-PRF-22191	Barrier Material, Transparent, flexible, Heat Sealable
DEPARTMENT OF DEFENSE	
DOD-STD-2101	Classification of Characteristics
INDUSTRIAL	
ANSI/ASQ Z1.4	Sampling Procedure and Table for Inspection by Attributes
ASME Y14.100	Engineering Drawing Practices
AWS 17.1	Specification for Fusion Welding for Aerospace Applications
ASME B18.6.3	Screw, Machine, Pan Head, 8-32
ASTM B152	Copper Sheet, Strip, Plate, and Rolled Bar
ASTM B221	Standard Specification for Aluminum and Aluminum Alloy Extruded Bars, Wire, Profiles, and Tubes.
SAE AS568	Aerospace Size Standard for O-Rings
ASTM D1784	Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds
ASTM D1974	Standard Practice for Methods for Closing, Sealing, and Reinforcing Fiberboard Boxes
AMS 3302	Butadiene Acrylonitrile (NBR) Rubber
GEON M3900	Vinyl Compound - Rigid (RPVC)
ASTM D4066	Standard Classification System for Nylon Injection and Extrusion Materials (PA)
ASTM D5118	Standard Practice for Fabrication of Fiberboard Shipping Boxes
ASTM D6100	Standard Specification for Extruded Compression Molded and Injection Molded Acetal Shapes
SAE AMS7264	Rings, Sealing, Silicone Rubber
SAE AS8660	Silicone Compound

ASTM D8959 Molded and Cast Nylon (PA) Rods, Tubes, sheets, and Parts

SAE AS 33671-3-0 Strap, Tiedown

SAE AS33671-4-0 Strap, Tiedown

CODE OF FEDERAL REGULATION

CFR 29 Parts 1910.1200

2.2 Drawings.

<u>Drawing No.</u>	<u>Rev</u>	<u>Sheet(s)</u>	<u>Nomenclature</u>
5012947	E	1	Retainer, Detonator
5761994	E	1	Material Safety Data Sheet (MSDS) Requirements
6915095	B	1	Liner, Nylon Pad
6915096	B	1	Liner, Copper
8179186	-	1	Case, Demolition Charge, MK 108 MOD 0
8179187	-	2	Demolition Charge Case Packaging Assembly
8179188	-	3	Attachment Packaging Assembly
8179189	-	1	Post
8179190	-	1	Suction Cup (Altered)
8179191	-	1	Loading Tool
8179192	-	1	Suction Cup Assembly
8179193	-	1	Magnet Assembly
8179194	-	2	Flexible Arm Assembly
8179195	-	1	Yoke
8179196	-	1	Rod Mount
8179197	-	1	Bungee Cord Assembly
8179198	-	1	2 Inch Rod
8179199	-	1	4 Inch Rod
8179200	-	1	12 Inch Rod Assembly
8179201	-	1	Clamp Assembly

8179202	-	2	Body
8179203	-	1	Sleeve
8179204	-	2	Cup
8179205	-	1	Adapter
8179206	-	1	Adapter Nut
8179207	-	1	Suction Cup
8179208	-	2	Case and Foam Assembly
8179209	-	2	Attachment Case and Foam Assembly
8179210	-	1	Liner Assembly
8179211	-	1	EOD Refill Kit Drawing Tree
8179252	-	1	Detonator Retainer (Bag of Six)
8179253	-	1	Altered Thumb Screw
8179255	-	1	Stud (Bag of Six)
8179256	-	1	Thumb Screw (Bag of Twenty-five)
8179257	-	1	Cap Screw (Bag of Six)
8179258	-	1	Clamp and Rod
8179259	-	1	MK 108 MOD 0 Demolition Charge Case Drawing Tree
8179260	-	3	EOD Refill Kit (Case, Demolition Charge)

3.0 REQUIREMENTS.

3.1 Detail Tasks.

3.1.1 For the Base Year of this contract the contractor shall fabricate, package, and deliver to the Government:

3.1.1.1 Two hundred and twenty eight (228) MK 108 MOD 0 Demolition Charge Cases, drawing 8179186. Each 8179186 drawing consisting of sub-assembly, drawing 8179187, Demolition Charge Case Packaging Assembly, and sub-assembly, drawing 8179188, Attachment Packaging Assembly and all associated drawings, specifications, and standards.

3.1.1.2 Thirty nine (39) EOD Refill Kit (Case, Demolition Charge) in accordance with drawing 8179260 and all associated drawings, specifications, and standards.

3.1.1.3 Two hundred sixteen (216) Flexible Arm Assemblies fabricated, packaged, and marked in accordance with drawing 8179194, notes 6, 7, and 8 apply. These assemblies shall be over packed in exterior fiberboard box(s) packed and marked in accordance with the requirements of paragraph 3.1.2.3.1 and 3.1.2.3.2.

3.1.1.4 Two hundred sixteen (216) Magnet Assemblies fabricated in accordance with drawing 8179193, notes 8, 9, and 10 apply. These assemblies shall be over packed in exterior fiberboard box(s) packed and marked in accordance with the requirements of paragraph 3.1.2.4.1 and 3.1.2.4.2.

3.1.2 For the Option Year 1 of this contract, the contractor shall fabricate, package, and deliver to the Government:

3.1.2.1 Fifteen (15) Attachment Component Packs. Each Attachment Component Pack shall consist of the following items:

<u>NOMENCLATURE</u>	<u>DRAWING NO.</u>	<u>QUANTITY</u>
Suction Cup Assembly	8179192	4
Magnet Assembly	8179193	12
Flexible Arm Assembly	8179194	7
Yoke	8179195	6
Rod Mount	8179196	6
Bungee Cord Assembly	8179197	12
2 Inch Rod	8179198	6
4 Inch Rod	8179199	4
Clamp and Rod	8179258	4
Thumb Screw (Bag of Twenty-Five)	8179256	2
Cap Screw (Bag of Six)	8179257	1
Strap, Tiedown	SAE AS33671-3-0	6
Strap, Tiedown	SAE AS33671-4-0	12
Stud (Bag of Six)	8179255	1

3.1.2.1.1 The above items, per quantities shown, shall be packaged in an exterior fiberboard box in accordance with MIL-STD-2073, method 10 for physical protection. Box shall be close fitting and in accordance with ASTM D5118, Style-RSC, Type CF, Class Weather Resistant (WR), Variety Double Walled (DW), Grade V11c, C-Flute. Closure method shall be in accordance with ASTM D1974, sealing method A. Tape shall be in accordance with A-A-1671, Type II, Class 2, Style A, 3 inch wide.

3.1.2.1.2 Each Attachment Component Pack shall be marked in accordance with MIL-STD-129 as follows:

ATTACHMENT COMPONENT PACK

1 BOX

B (MO. /YR.)

WEIGHT CU.FT.

Bar code in accordance with MIL-STD-129.

3.1.2.2 Twenty-eight (28) EOD Refill Kit (Case, Demolition Charge) in accordance with drawing 8179260 and all associated drawings, specifications, and standards.

3.1.2.3 Ninety (90) Flexible Arm Assemblies fabricated, packaged, and marked in accordance with drawing 8179194, notes 6, 7, and 8 apply. These assemblies shall then be placed in over pack exterior fiberboard box(s) packed and marked in accordance with the following requirements, and shall hereon be known as the Flexible Arm Assembly Pack.

3.1.2.3.1 The Flexible Arm Assembly Pack exterior fiberboard box(s) shall be in accordance with MIL-STD-2073, method 10 for physical protection. Box(s) shall be close fitting and in accordance with ASTM D5118, Style-RSC, Type CF, Class Weather Resistant (WR), Variety Double Walled (DW), Grade V11c, C-Flute. Closure method

shall be in accordance with ASTM D1974, sealing method A. Tape shall be in accordance with A-A-1671, Type II, Class 2, Style A, 3 inch wide.

3.1.2.3.2 The Flexible Arm Assembly Pack shall be marked in accordance with MIL-STD-129 as follows:

FLEXIBLE ARM ASSEMBLY PACK

1 BOX

BB (MO. /YR.)

WEIGHT CU.FT.

Bar code in accordance with MIL-STD-129.

3.1.2.4 Ninety (90) Magnet Assemblies fabricated, packaged, and marked in accordance with drawing 8179193, notes 8, 9, and 10 apply. These assemblies shall then be placed in over pack exterior fiberboard box(s) packed and marked in accordance with the following requirements, and shall hereon be known as the Magnet Assembly Pack.

3.1.2.4.1 The Magnet Assembly Pack exterior fiberboard box(s) shall be in accordance with MIL-STD-2073, method 10 for physical protection. Box(s) shall be close fitting and in accordance with ASTM D5118, Style-RSC, Type CF, Class Weather Resistant (WR), Variety Double Walled (DW), Grade V11c, C-Flute. Closure method shall be in accordance with ASTM D1974, sealing method A. Tape shall be in accordance with A-A-1671, Type II, Class 2, Style A, 3 inch wide.

3.1.2.4.2 The Magnet Assembly Pack shall be marked in accordance with MIL-STD-129 as follows:

MAGNET ASSEMBLY PACK

1 BOX

BB (MO. /YR.)

WEIGHT CU.FT.

Bar code in accordance with MIL-STD-129.

3.1.2.5 Ninety (90) Suction Cup Assemblies fabricated, packaged, and marked in accordance with drawing 8179192, notes 6, 7, and 8 apply. These assemblies shall then be placed in over pack exterior fiberboard box(s) packed and marked in accordance with the following requirements, and shall hereon be known as the Suction Cup Assembly Pack.

3.1.2.5.1 The Suction Cup Assembly Pack exterior fiberboard box(s) shall be in accordance with MIL-STD-2073, method 10 for physical protection. Box(s) shall be close fitting and in accordance with ASTM D5118, Style-RSC, Type CF, Class Weather Resistant (WR), Variety Double Walled (DW), Grade V11c, C-Flute. Closure method shall be in accordance with ASTM D1974, sealing method A. Tape shall be in accordance with A-A-1671, Type II, Class 2, Style A, 3 inch wide.

3.1.2.5.2 The Suction Cup Assembly Pack shall be marked in accordance with MIL-STD-129 as follows:

SUCTION CUP ASSEMBLY PACK

1 BOX

BB (MO. /YR.)

WEIGHT CU.FT.

Bar code in accordance with MIL-STD-129.

3.1.3 For the Option Year 2 of this contract, the contractor shall fabricate, package, and deliver to the Government:

3.1.3.1 Fifteen (15) Attachment Component Packs. Each Attachment Component Pack shall consist of the following items:

<u>NOMENCLATURE</u>	<u>DRAWING NO.</u>	<u>QUANTITY</u>
Suction Cup Assembly	8179192	4
Magnet Assembly	8179193	12
Flexible Arm Assembly	8179194	7
Yoke	8179195	6
Rod Mount	8179196	6
Bungee Cord Assembly	8179197	12
2 Inch Rod	8179198	6
4 Inch Rod	8179199	4
Clamp and Rod	8179258	4
Thumb Screw (Bag of Twenty-Five)	8179256	2
Cap Screw (Bag of Six)	8179257	1
Strap, Tiedown	SAE AS33671-3-0	6
Strap, Tiedown	SAE AS33671-4-0	12
Stud (Bag of Six)	8179255	1

3.1.3.1.1 The above items, per quantities shown, shall be packaged in an exterior fiberboard box in accordance with MIL-STD-2073, method 10 for physical protection. Box shall be close fitting and in accordance with ASTM D5118, Style-RSC, Type CF, Class Weather Resistant (WR), Variety Double Walled (DW), Grade V11c, C-Flute. Closure method shall be in accordance with ASTM D1974, sealing method A. Tape shall be in accordance with A-A-1671, Type II, Class 2, Style A, 3 inch wide.

3.1.3.1.2 Each Attachment Component Pack shall be marked in accordance with MIL-STD-129 as follows:

ATTACHMENT COMPONENT PACK

1 BOX

B (MO. /YR.)

WEIGHT CU.FT.

Bar code in accordance with MIL-STD-129.

3.1.3.2 Twenty-eight (28) EOD Refill Kit (Case, Demolition Charge) in accordance with drawing 8179260 and all associated drawings, specifications, and standards.

3.1.3.3 Ninety (90) Flexible Arm Assemblies fabricated, packaged, and marked in accordance with drawing 8179194, notes 6, 7, and 8 apply. These assemblies shall then be placed in over pack exterior fiberboard box(s) packed and marked in accordance with the following requirements, and shall hereon be known as the Flexible Arm Assembly Pack.

3.1.3.3.1 The Flexible Arm Assembly Pack exterior fiberboard box(s) shall be in accordance with MIL-STD-2073, method 10 for physical protection. Box(s) shall be close fitting and in accordance with ASTM D5118, Style-RSC, Type CF, Class Weather Resistant (WR), Variety Double Walled (DW), Grade V11c, C-Flute. Closure method shall be in accordance with ASTM D1974, sealing method A. Tape shall be in accordance with A-A-1671, Type II, Class 2, Style A, 3 inch wide.

3.1.3.3.2 The Flexible Arm Assembly Pack shall be marked in accordance with MIL-STD-129 as follows:

FLEXIBLE ARM ASSEMBLY PACK

1 BOX

BB (MO. /YR.)

WEIGHT CU.FT.

Bar code in accordance with MIL-STD-129.

3.1.3.4 Ninety (90) Magnetic Assemblies fabricated, packaged, and marked in accordance with drawing 8179193, notes 8, 9, and 10 apply. These assemblies shall then be placed in over pack exterior fiberboard box(s) packed and marked in accordance with the following requirements, and shall hereon be known as the Magnet Assembly Pack.

3.1.3.4.1 The Magnet Assembly Pack exterior fiberboard box(s) shall be in accordance with MIL-STD-2073, method 10 for physical protection. Box(s) shall be close fitting and in accordance with ASTM D5118, Style-RSC, Type CF, Class Weather Resistant (WR), Variety Double Walled (DW), Grade V11c, C-Flute. Closure method shall be in accordance with ASTM D1974, sealing method A. Tape shall be in accordance with A-A-1671, Type II, Class 2, Style A, 3 inch wide.

3.1.3.4.2 The Magnet Assembly Pack shall be marked in accordance with MIL-STD-129 as follows:

MAGNET ASSEMBLY PACK

1 BOX

BB (MO. /YR.)

WEIGHT CU.FT.

Bar code in accordance with MIL-STD-129.

3.1.3.5 Ninety (90) Suction Cup Assemblies fabricated, packaged, and marked in accordance with drawing 8179192, notes 6, 7, and 8 apply. These assemblies shall then be placed in over pack exterior fiberboard box(s) packed and marked in accordance with the following requirements, and shall hereon be known as the Suction Cup Assembly Pack.

3.1.3.5.1 The Suction Cup Assembly Pack exterior fiberboard box(s) shall be in accordance with MIL-STD-2073, method 10 for physical protection. Box(s) shall be close fitting and in accordance with ASTM D5118, Style-RSC, Type CF, Class Weather Resistant (WR), Variety Double Walled (DW), Grade V11c, C-Flute. Closure method shall be in accordance with ASTM D1974, sealing method A. Tape shall be in accordance with A-A-1671, Type II, Class 2, Style A, 3 inch wide.

3.1.3.5.2 The Suction Cup Assembly Pack shall be marked in accordance with MIL-STD-129 as follows:

SUCTION CUP ASSEMBLY PACK

1 BOX

BB (MO. /YR.)

WEIGHT CU.FT.

Bar code in accordance with MIL-STD-129.

3.1.4 These quantities shall include three (3) First Article (FA) samples for the MK 108 MOD 0 Demolition Charge Cases, three (3) FA samples for EOD Refill Kit (Case, Demolition Charge), three (3) FA samples for Flexible Arm Assembly, drawing 8179194, notes 6, 7, and 8 apply, and three (3) FA samples for the Magnet Assembly, drawing 8179193, notes 8, 9, and 10 apply. All components shall comply with the requirements of all applicable drawings, and meet the examination, workmanship, and performance requirements of Detail Specification Product Fabrication Specification Demolition Charge Case Packaging Assembly and EOD Refill Kit (Case, Demolition Charge), DTL

WS 34035, Table I where applicable. Any items that fail to meet the requirements of the drawings and DTL WS 34035 may be cause for FA or production lot rejection. The packaging shall comply with the requirements of the Case, Demolition Charge, MK 108 MOD 0 drawing 8179186, EOD Refill Kit (Case, Demolition Charge) drawing 8179260, Flexible Arm Assembly drawing 8179194, and paragraph 3.1.2.3 and 3.1.3.3, Magnet Assembly drawing 8179193, and paragraph 3.1.2.4 and 3.1.3.4, Attachment Component Pack, paragraph 3.1.2.1 and 3.1.3.1, and Suction Cup Assembly Pack, drawing 8179192, and paragraph 3.1.2.5 and 3.1.3.5. The FA and Quality Conformance Inspection (QCI) samples (production lot) shall be delivered to NAVEODTECHDIV Indian Head MD.

3.2 Acquisition Requirements.

3.2.1 As required by paragraph 6.2 of the Detail Specification Product Fabrication Specification DTL WS 34035, the following acquisition requirements are delineated:

- a. Detail Specification Product Fabrication Specification Demolition Charge Case Packaging Assembly and EOD Refill Kit (Case, Demolition Charge).
- b. DODISS issue 1 July 94 supplement 1 March 95 applies.

3.2.2 Unique Identification (UID) marking is required for all property delivered to the Government in accordance with DFAR 252.211-7003. See attachment (H) for listing of applicable drawings requiring UID marking.

4.0 INSPECTIONS AND ACCEPTANCE

4.1 The Government will inspect at source via Defense Contract Management Agency (DCMA) representatives, and NAVEODTECHDIV will perform final inspection and acceptance at destination (NAVEODTECHDIV).

4.2 The Government will inspect the First Article and Quality Conformance Inspection lot samples per drawing 8179186, 8179260, DTL WS 34035, and all associated drawings specifications, standards and any other related packaging and marking requirements denoted within this document.

4.2.1 First Article sample. The contractor shall deliver a FA sample of three (3) MK 108 MOD 0 Demolition Charge Cases, three (3) EOD Refill Kit (Case, Demolition Charge), three (3) Flexible Arm Assembly in accordance with drawing 8179194, notes 6, 7, and 8 apply, and three (3) Magnet Assembly in accordance with drawing 8179193, notes 8, 9, and 10 apply. Any production of the items prior to acceptance of FA samples without authorization by the contracting activity shall be at the risk of the contractor.

4.2.2 Production Quality Conformance Inspection sample. The contractor shall deliver all production lots to NAVEODTECHDIV. Inspection item(s) shall be selected at random from each production lot in accordance with ANSI/ASQ Z1.4, and be subjected to quality conformance inspection in accordance with the requirements of the respective drawings and all associated specifications, standards, and any other related packaging and marking requirements denoted within this document at destination.

5.0 DELIVERY SCHEDULE

SEE SECTION F OF SOLICITATION

6.0 DELIVERY INFORMATION

6.1 First Article samples, and Quality Conformance Inspection (production) lots shall be shipped to:

NAVEODTECHDIV
2008 Stump Neck Road

Indian Head MD 20640-5070
Attn: Edward Hammett (Code 5222B)
Bldg 2195
(301) 744-6858 x252
edward.hammett@navy.mil

6.2 DELIVERABLES

6.2.1 Base Year.

6.2.1.1 Three (3) FA MK 108 MOD 0 Demolition Charge Case in accordance with drawing 8179186 and all associated drawing, specifications, and standards.

6.2.1.2 Three (3) FA EOD Refill Kit (Case, Demolition Charge) in accordance with drawing 8179260 and all associated drawing, specifications, and standards.

6.2.1.3 Three (3) FA Flexible Arm Assembly Pack in accordance with drawing 8179194, notes 6, 7, and 8 apply.

6.2.1.4 Three (3) FA Magnet Assembly Pack in accordance with drawing 8179193, notes 8, 9, and 10 apply.

6.2.1.5 Two hundred twenty five (225) maximum QCI MK 108 MOD 0 Demolition Charge Case in accordance with drawing 8179186 and all associated drawing, specifications, and standards.

6.2.1.6 Thirty Six (36) maximum EOD Refill Kit (Case, Demolition Charge) in accordance with drawing 8179260 and all associated drawing, specifications, and standards.

6.2.1.7 Two Hundred Thirteen (213) maximum Flexible Arm Assembly in accordance with drawing 8179194, notes 6, 7, and 8 apply.

6.2.1.8 Two Hundred Thirteen (213) maximum Magnet Assembly in accordance with drawing 8179193, notes 8, 9, and 10 apply.

6.2.2 Option year 1.

6.2.2.1 Fifteen (15) maximum Attachment Component Pack packaged and marked in accordance with paragraph 3.1.2.1.

6.2.2.2 Twenty Eight (28) maximum EOD Refill Kit (Case, Demolition Charge) in accordance with drawing 8179260 and all associated drawings, specifications, and standards.

6.2.2.3 Ninety (90) maximum Flexible Arm Assembly in accordance with drawing 8179194, notes 6, 7, and 8 apply. Assemblies shall be placed in over pack exterior fiberboard box(s) packed and marked in accordance with paragraph 3.1.2.3.

6.2.2.4 Ninety (90) maximum Magnet Assembly in accordance with drawing 8179193, notes 8, 9, and 10 apply. Assemblies shall be placed in over pack exterior fiberboard box(s) packed and marked in accordance with paragraph 3.1.2.4.

6.2.2.5 Ninety (90) maximum Suction Cup Assembly in accordance with drawing 8179192, notes 4, 5, and 6 apply. Assemblies shall be placed in over pack exterior fiberboard box(s) packed and marked in accordance with paragraph 3.1.2.5.

6.2.3 Option Year 2.

6.2.3.1 Fifteen (15) maximum Attachment Component Pack packaged and marked in accordance with paragraph 3.1.3.1.

6.2.3.2 Twenty Eight (28) maximum EOD Refill Kit (Case, Demolition Charge) in accordance with drawing 8179260 and all associated drawings, specifications, and standards.

6.2.3.3 Ninety (90) maximum Flexible Arm Assembly in accordance with drawing 8179194, notes 6, 7, and 8 apply. Assemblies shall be placed in over pack exterior fiberboard box(s) packed and marked in accordance with paragraph 3.1.3.3.

6.2.3.4 Ninety (90) maximum Magnet Assembly in accordance with drawing 8179193, notes 8, 9, and 10 apply. Assemblies shall be placed in over pack exterior fiberboard box(s) packed and marked in accordance with paragraph 3.1.3.4.

6.2.3.5 Ninety (90) maximum Suction Cup Assembly in accordance with drawing 8179192, notes 4, 5, and 6 apply. Assemblies shall be placed in over pack exterior fiberboard box(s) packed and marked in accordance with paragraph 3.1.3.5.

6.3 Monthly Status Report

The contractor shall prepare and submit monthly status reports throughout the duration of the contract. The reporting period will begin 30 days after contract award. After the first report, the status reports will be due by the 10th of each month for the previous month. The reports shall consist of the following sections:

- Summary
- Accomplishments for the reporting period
- Problems encountered and solution(s) to the problem
- Plans for next reporting period

Report may be in contractor's format. Report shall be emailed to the following addresses:

- edward.hammett@navy.mil
- jerome.w.gray@navy.mil

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HQ C-2-0008 - ASSIGNMENT AND USE OF NATIONAL STOCK NUMBERS (NAVSEA) (MAY 1993)

To the extent that National Stock Numbers (NSNs) or preliminary NSNs are assigned by the Government for the identification of parts, pieces, items, subassemblies or assemblies to be furnished under this contract, the Contractor shall use such NSNs or preliminary NSNs in the preparation of provisioning lists, package labels, packing lists, shipping containers and shipping documents as required by applicable specifications, standards or Data item Descriptions of the contract or as required by orders for spare and repair parts. The cognizant Government Contract Administration Office shall be responsible for providing the Contractor such NSNs or preliminary NSNs which may be assigned and which are not already in possession of the Contractor.

HQ C-2-0014 CONTRACTOR'S PROPOSAL (NAVSEA) (MAR 2001)

(a) Performance of this contract by the Contractor shall be conducted and performed in accordance with detailed obligations to which the Contractor committed itself in

Proposal _____ dated _____ in response to NAVSEA Solicitation No. N00174-_____
_____.

(b) The technical volume(s) of the Contractor's proposal is incorporated by reference and hereby made subject to the provisions of the "ORDER OF PRECEDENCE" (FAR 52.215-8) clause of this contract. Under the "ORDER OF PRECEDENCE" clause, the technical volume of the Contractor's proposal referenced herein is hereby designated as item (f) of the clause, following "the specification" in the order of precedence.

HQ C-2-0027 - FIRST ARTICLE (GOVERNMENT TESTING) (NAVSEA) (SEP 1990)

(a) For the purpose of this contract, the "First Article" is synonymous with the terms "preproduction model(s)" and "preproduction equipment".

(b) The production equipment shall be manufactured with tools, materials and methods which are the same as, or representative of the tools, material and methods which were used to manufacture the First Article. The First Article shall not be delivered for first article approval tests as provided for in the clause of this contract entitled "FIRST ARTICLE APPROVAL--GOVERNMENT TESTING" (FAR 52.209-4) until after the Contractor has fully tested it, at its expense, to determine compliance with said requirements and it has been preliminarily accepted by the Contract Administration Office. The Contractor shall make a record of all data obtained during such tests in such form as is consonant with good engineering practice and furnish five (5) copies thereof. The cover sheet of each copy of this record shall be marked with this contract number and the item identification. One (1) copy shall be furnished to the Contract Administration Office at the time of inspection for preliminary acceptance, one (1) copy shall accompany the First Article on delivery thereof, and three (3) copies shall be furnished to the Naval Sea Systems Command and the time of First Article delivery.

(c) Pursuant to paragraph (e) of the clause entitled "FIRST ARTICLE APPROVAL--GOVERNMENT TESTING", the First Article shall not be delivered as part of the production quantity.

HQ C-2-0038 - PERMITS AND RESPONSIBILITIES (NAVSEA) (SEP 1990)

The Contractor shall, without additional expense to the Government, be responsible for obtaining any necessary licenses and permits, and for complying with any applicable Federal, State, and Municipal laws, codes, and regulations, in connection with any movement over the public highways of overweight/over dimensional materials.

Section D - Packaging and Marking

CLAUSES INCORPORATED BY FULL TEXT

HQ D-2-0004 - IDENTIFICATION MARKING OF PARTS (NAVSEA) (NOV 1996)

Identification marking of individual parts within the systems, equipments, assemblies, subassemblies, components, groups, sets or kits, and of spare and repair parts shall be done in accordance with applicable specifications and drawings. To the extent identification marking of such parts is not specified in applicable specifications or drawings, such marking shall be accomplished in accordance with the following:

- (1) Parts shall be marked in accordance with generally accepted commercial practice.
- (2) In cases where parts are so small as not to permit identification marking as provided above, such parts shall be appropriately coded so as to permit ready identification.

IHD 31 - MARKING OF SHIPMENTS (COMMERCIALY PACKAGED ITEMS)(NAVSEA/IHD) FEB 2000

(a) Marking shall be in accordance with ASTM D 3951-90, "Commercial Packaging of Supplies and Equipment."

(b) Additional markings are stated below:

Contract No:

Bldg:

Code:

*Note: When the item is over 1000 lbs the contractor is to stencil the weight on the crate

Section E - Inspection and Acceptance

CLAUSES INCORPORATED BY REFERENCE

52.246-2	Inspection Of Supplies--Fixed Price	AUG 1996
52.246-16	Responsibility For Supplies	APR 1984
252.246-7000	Material Inspection And Receiving Report	MAR 2003

CLAUSES INCORPORATED BY FULL TEXT

IHD 44 - INSPECTION AND ACCEPTANCE (SPECIAL CONDITIONS)(NAVSEA/IHD) FEB 2000

(APPLIES TO PRODUCTION)

(a) Initial inspection of the supplies to be furnished hereunder shall be made by _the **Government**_ at the contractor's or subcontractor's plant located at _____ **TBD** _____. The cognizant inspector shall be notified when the material is available for inspection. The place designated for such actions shall not be changed without authorization of the Contracting Officer. Final inspection and acceptance shall be made by **the Government** within **90 days for the production items** after receipt of material.

(b) Initial inspection shall consist of quality assurance at point of manufacture and/or assembly and check/test prior to shipment. Final inspection and acceptance will be made by the Receiving Activity after installation/check out/testing of the supplies.

IHD 49 - INSPECTION AND ACCEPTANCE (DESTINATION) (NAVSEA/IHD) (FEB 2000)

(APPLIES TO FIRST ARTICLE)

Inspection and acceptance of the supplies or services to be furnished hereunder shall be made at destination by the receiving activity.

IHD 47 - INSPECTION AND ACCEPTANCE TIMEFRAME (NAVSEA/IHD) FEB 2000

Inspection and acceptance of supplies to be furnished under this contract shall be made by the Government within **90 days** after receipt of material. Payment will be tendered not later than 30 days after acceptance has occurred.

Section F - Deliveries or Performance

CLAUSES INCORPORATED BY REFERENCE

52.211-17	DELIVERY OF EXCESS QUANTITIES	(SEP 1989)
52.242-15	STOP-WORK ORDER	(AUG 1989)
52.242-17	GOVERNMENT DELAY OF WORK	(APR 1984)
52.247-34	F.O.B. DESTINATION	(NOV 1991)

CLAUSES INCORPORATED BY FULL TEXT

52.211-8 TIME OF DELIVERY (JUN 1997)

(a) The Government requires delivery to be made according to the following schedule:

REQUIRED DELIVERY SCHEDULE

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS
0001			NAVEODTECHDIV 2008 Stump Neck Road Indian Head MD 20640-5070 Attn: Edward Hammett (Code 5222B) Bldg 2195 (301) 744-6858 x252 edward.hammett@navy.mil FOB: Destination
0001AA	120 dys. ADC	3 Each	Same as CLIN 0001
0001AB	120 dys. after acceptance of FA(0001AA)	225 Each	Same as CLIN 0001
0002			Same as CLIN 0001
0002AA	120 dys. ADC	3 Each	Same as CLIN 0001
0002AB	120 dys. after acceptance of FA(0002AA)	36 Each	Same as CLIN 0001
0003			Same as CLIN 0001
0003AA	120 dys. ADC	3 Each	Same as CLIN 0001
0003AB	120 dys. after acceptance of FA(0003AA)	213 Each	Same as CLIN 0001
0004			Same as CLIN 0001

0004AA	120 dys. ADC	3 Each	Same as CLIN 0001
0004AB	120 dys. after acceptance of FA(0004AA)	213 Each	Same as CLIN 0001
0005	30 dys. ADC	1 Lot	Same as CLIN 0001
0006	120 dys. ADC .	15 Each	NAVEODTECHDIV 2008 Stump Neck Road Indian Head MD 20640-5070 Attn: Edward Hammett (Code 5222B) Bldg 2195 (301) 744-6858 x252 edward.hammett@navy.mil FOB: Destination
0007	120 dys. "After exercise of option"	28 Each	Same as CLIN 0006
0008	120 dys. "After exercise of option"	90 Each	Same as CLIN 0006
0009	120 dys. "After exercise of option"	90 Each	Same as CLIN 0006
0010	120 dys. "After exercise of option"	90Each	Same as CLIN 0006
0011	30 dys. "After exercise of option"	1 Lot	Same as CLIN 0006
0012	120 dys "After exercise of option"	15 Each	NAVEODTECHDIV 2008 Stump Neck Road Indian Head MD 20640-5070 Attn: Edward Hammett (Code 5222B) Bldg 2195 (301) 744-6858 x252 edward.hammett@navy.mil FOB: Destination
0013	120 dys. "After exercise of option"	28 Each	Same as CLIN 0012
0014	120 dys. "After exercise of option"	90 Each	Same as CLIN 0012

0015	120 dys. "After exercise of option"	90 Each	Same as CLIN 0012
0016	120 dys. "After exercise of option"	90 Each	Same as CLIN 0012
0017	30 dys. "After exercise of option"	1 Lot	Same as CLIN 0012

The Government will evaluate equally, as regards time of delivery, offers that propose delivery of each quantity within the applicable delivery period specified above. Offers that propose delivery that will not clearly fall within the applicable required delivery period specified above, will be considered nonresponsive and rejected. The Government reserves the right to award under either the required delivery schedule or the proposed delivery schedule, when an offeror offers an earlier delivery schedule than required above. If the offeror proposes no other delivery schedule, the required delivery schedule above will apply.

OFFEROR'S PROPOSED DELIVERY SCHEDULE

(b) Attention is directed to the Contract Award provision of the solicitation that provides that a written award or acceptance of offer mailed, or otherwise furnished to the successful offeror, results in a binding contract. The Government will mail or otherwise furnish to the offeror an award or notice of award not later than the day award is dated. Therefore, the offeror should compute the time available for performance beginning with the actual date of award, rather than the date the written notice of award is received from the Contracting Officer through the ordinary mails. However, the Government will evaluate an offer that proposes delivery based on the Contractor's date of receipt of the contract or notice of award by adding (1) five calendar days for delivery of the award through the ordinary mails, or (2) one working day if the solicitation states that the contract or notice of award will be transmitted electronically. (The term "working day" excludes weekends and U.S. Federal holidays.) If, as so computed, the offered delivery date is later than the required delivery date, the offer will be considered nonresponsive and rejected.

(End of clause)

52.211-16 VARIATION IN QUANTITY (APR 1984)

(a) A variation in the quantity of any item called for by this contract will not be accepted unless the variation has been caused by conditions of loading, shipping, or packing, or allowances in manufacturing processes, and then only to the extent, if any, specified in paragraph (b) below.

(b) The permissible variation shall be limited to:

0 Percent increase

0 Percent decrease

This increase or decrease shall apply to .0001AB, 0003AB, 0008-0009, 0014-0016

(End of clause)

52.211-18 VARIATION IN ESTIMATED QUANTITY (APR 1984)

If the quantity of a unit-priced item in this contract is an estimated quantity and the actual quantity of the unit-priced item varies more than 15 percent above or below the estimated quantity, an equitable adjustment in the contract price shall be made upon demand of either party. The equitable adjustment shall be based upon any increase or decrease in costs due solely to the variation above 115 percent or below 85 percent of the estimated quantity. If the quantity variation is such as to cause an increase in the time necessary for completion, the Contractor may request, in writing, an extension of time, to be received by the Contracting Officer within 10 days from the beginning of the delay, or within such further period as may be granted by the Contracting Officer before the date of final settlement of the contract. Upon the receipt of a written request for an extension, the Contracting Officer shall ascertain the facts and make an adjustment for extending the completion date as, in the judgement of the Contracting Officer, is justified.

IHD 61 - PLACE OF DELIVERY: DESTINATION (NAVSEA/IHD) FEB 2000

(a) The articles to be furnished hereunder shall be delivered all transportation charges paid by the contractor to:

NAVEODTECHDIV
2008 Stump Neck Road
Indian Head MD 20640-5070
Attn: Edward Hammett (Code 5222B)
Bldg 2195
(301) 744-6858 x252
edward.hammett@navy.mil
FOB: Destination

(b) Bids submitted on a basis other than F.O.B. Destination will be rejected as non-responsive and proposals may be deemed unacceptable.

Section G - Contract Administration Data

CLAUSES INCORPORATED BY FULL TEXT

NAPS 5252.232-9000 SUBMISSION OF INVOICES (FIXED PRICE) (JUL 1992)

- (a) "Invoice" as used in this clause does not include contractor requests for progress payments.
- (b) The contractor shall submit original invoices with copies to the address identified in the- solicitation/ contract award form (SF 26-Block 10; SF 33-Block 23; SF 1447-Block 14), unless delivery orders are applicable, in which case invoices will be segregated by individual order and submitted to the address specified in the order (DD 1155-Block 13 or SF 26-Block 10).
- (c) The use of copies of the Material Inspection and Receiving Report (MIRR), DD Form 250, as an invoice is encouraged. DFARS Appendix F-306 provides instructions for such use. Copies of the MIRR used as an invoice are in addition to the standard distribution stated in DFARS F-401.
- (d) In addition to the requirements of the Prompt Payment clause of this contract, the contractor shall cite on each invoice the contract line item number (CLIN); the contract subline item number (SLIN), if applicable; the accounting classification reference number (ACRN) as identified on the financial accounting data sheets, and the payment terms.
- (e) The contractor shall prepare:
- ☐ a separate invoice for each activity designated to receive the supplies or services.
 - ☐ a consolidated invoice covering all shipments delivered under an individual order.
 - ☒ either of the above.
- (f) If acceptance is at origin, the contractor shall submit the MIRR or other acceptance verification directly to the designated payment office. If acceptance is at destination, the consignee will forward acceptance verification to the designated payment office.

INVOICE MAILING INSTRUCTIONS

(To be completed by Contract Specialist)

MAIL INVOICES TO: _____

* Check applicable procedure.
(End of clause)

CLAUSES INCORPORATED BY FULL TEXT

HQ G-2-0002 - CONTRACT ADMINISTRATION DATA LANGUAGE (NAVSEA)

- (a) Electronic Funds Transfer (EFT) Payment Requirements

FAR 52.232-33, MANDATORY INFORMATION FOR ELECTRONIC FUNDS TRANSFER PAYMENT, is included in this solicitation/contract. All Contractor payments will be made by EFT unless excepted or otherwise determined by the paying office designated in the contract.

The Contractor must initiate enrollment in EFT by contacting the paying office designated in the contract and requesting form SF 3881, Automated Clearing House (ACH) Vendor/Miscellaneous Payment Enrollment Plan. This form must be completed by the Contractor and their financial institution and returned to the paying office. The paying office will complete the process and notify the Contractor that EFT enrollment is complete. All payments under this contract will be held until the Contractor provides the required EFT enrollment information.

(b) Enter below the address (street and number, city, county, state and zip code) of the Contractor's facility which will administer the contract if such address is different from the address shown on the SF 26 or SF 33, as applicable.

IHD 6 CONTRACT POINTS OF CONTACT (NAVSEA/IHD)

The following contacts are provided for this contract:

Contract Administrator:
Phone Number: (301)744- TBD

Payments/Invoicing:
Phone Number: (301)744- TBD

Technical Representative:
Phone Number: (301)744- TBD

Any concerns regarding your contract, should be directed to the above mentioned personnel, or the Contracting Officer at (301) 744-6653 or 6195. .

IHD 76 - INDIAN HEAD DIVISION, NAVAL SEA SYSTEMS COMMAND, HOURS OF OPERATION AND HOLIDAY SCHEDULE (NAVSEA/IHD) APR 2005

1. The policy of this station is to schedule periods of reduced operations or shutdown during holiday periods. Deliveries will not be accepted on Saturdays, Sundays or Holidays except as specifically requested by the Naval Sea Systems Command. All goods or services attempted to be delivered on a Saturday, Sunday or Holiday without specific instructions from the Contracting Officer or a duly appointed representative will be returned to the contractor at their expense with no cost or liability to the U.S. Government.

2. The following days are scheduled holidays for Indian Head Division, Naval Sea Systems Command.

New Year's Day
Birthday of Martin Luther King, Jr.
Washington's Birthday
Memorial Day
Independence Day
Labor Day

Columbus Day
Veterans Day
Thanksgiving Day
Christmas Day

Generally, if the holiday falls on a Saturday, it will be observed the preceding Friday, and if the holiday falls on a Sunday, the observance will be on the following Monday.

For a specific calendar year, the actual date of observance for each of the above holidays may be obtained from the OPM website at OPM.GOV or by using the following direct link: <http://www.opm.gov/fedhol/index.asp>.

3. The hours of operation for the Procurement Department and Receiving Branch are as follows:

<u>AREA</u>	<u>FROM</u>	<u>TO</u>
Procurement Dept. (BLDG. 1558)	7:30 A.M.	4:00 P.M.
Receiving Branch (BLDG. 116)	7:30 A.M	11:00 A.M
	12:30 P.M.	2:00 P.M.

If you intend to visit the Procurement Department, please call for an appointment at least 24 hours in advance.

Section H - Special Contract Requirements

CLAUSES INCORPORATED BY FULL TEXT

NOTICE OF INCORPORATION OF SECTIONS K, L, AND M (NAVSEA/IHD) FEB 2000

The following sections of the solicitation will not be distributed with the contract; however, they are incorporated in and form a part of the resultant contract as though furnished in full text therewith:

SECTION	TITLE
K	Representations, Certifications and Other Statements of Offerors (Bidders)
L	Instructions, Conditions, and Notices to Offerors (Bidders)
M	Evaluation Factors for Award

IHD 114 - CONTRACTING OFFICER'S REPRESENTATIVE (COR) (NAVSEA/IHD) FEB 2000

(a) The COR for this contract is:

Name:		Mailing Address:
Code:	Telephone No.:	

(b) The Alternate COR for this contract is:

Name:		Mailing Address:
Code:	Telephone No.:	

(c) The COR will act as the Contracting Officer's representative for technical matters, providing technical direction and discussion, as necessary, with respect to the specification or statement of work, and monitoring the progress and quality of contractor performance. The COR is not an Administrative Contracting Officer and does not have authority to direct the accomplishment of effort which is beyond the scope of the statement of work in the contract (or delivery order).

(d) When, in the opinion of the contractor, the COR requests effort outside the existing scope of the contract (or delivery order), the contractor shall promptly notify the contracting officer (or ordering officer) in writing. No action shall be taken by the contractor under such direction until the contracting officer has issued a modification to the contract (or in the case of a delivery order, until the ordering officer has issued a modification to the delivery order); or until the issue has been otherwise resolved.

(e) In the event that the COR named above is absent due to leave, illness or official business, all responsibility and functions assigned to the COR will be the responsibility of the alternate COR.

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.202-1	Definitions	JUL 2004
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	APR 1984
52.203-6	Restrictions On Subcontractor Sales To The Government	JUL 1995
52.203-7	Anti-Kickback Procedures	JUL 1995
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JAN 1997
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	JAN 1997
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	JUN 2003
52.204-4	Printed or Copied Double-Sided on Recycled Paper	AUG 2000
52.208-9	Contractor Use of Mandatory Sources of Supply	JUL 2004
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	JAN 2005
52.211-5	Material Requirements	AUG 2000
52.211-15	Defense Priority And Allocation Requirements	SEP 1990
52.215-2	Audit and Records--Negotiation	JUN 1999
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-14	Integrity of Unit Prices	OCT 1997
52.215-21	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data--Modifications	OCT 1997
52.219-8	Utilization of Small Business Concerns	MAY 2004
52.222-3	Convict Labor	JUN 2003
52.222-19	Child Labor -- Cooperation with Authorities and Remedies	JUN 2004
52.222-20	Walsh-Healey Public Contracts Act	DEC 1996
52.222-21	Prohibition Of Segregated Facilities	FEB 1999
52.222-26	Equal Opportunity	APR 2002
52.222-35	Equal Opportunity For Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans	DEC 2001
52.222-36	Affirmative Action For Workers With Disabilities	JUN 1998
52.222-37	Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans	DEC 2001
52.222-37	Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans	DEC 2001
52.223-6	Drug-Free Workplace	MAY 2001
52.223-14	Toxic Chemical Release Reporting	AUG 2003
52.225-8	Duty-Free Entry	FEB 2000
52.225-13	Restrictions on Certain Foreign Purchases	MAR 2005
52.226-1	Utilization Of Indian Organizations And Indian-Owned Economic Enterprises	JUN 2000
52.227-1	Authorization and Consent	JUL 1995
52.227-2	Notice And Assistance Regarding Patent And Copyright Infringement	AUG 1996
52.229-3	Federal, State And Local Taxes	APR 2003
52.232-1	Payments	APR 1984
52.232-8	Discounts For Prompt Payment	FEB 2002

52.232-11	Extras	APR 1984
52.232-17	Interest	JUN 1996
52.232-23	Assignment Of Claims	JAN 1986
52.232-25	Prompt Payment	OCT 2003
52.232-33	Payment by Electronic Funds Transfer--Central Contractor Registration	OCT 2003
52.233-1	Disputes	JUL 2002
52.233-1 Alt I	Disputes (Jul 2002) - Alternate I	DEC 1991
52.233-3	Protest After Award	AUG 1996
52.242-4	Certification of Final Indirect Costs	JAN 1997
52.242-13	Bankruptcy	JUL 1995
52.243-1	Changes--Fixed Price	AUG 1987
52.244-6	Subcontracts for Commercial Items	DEC 2004
52.245-2	Government Property (Fixed Price Contracts)	MAY 2004
52.246-23	Limitation Of Liability	FEB 1997
52.247-63	Preference For U.S. Flag Air Carriers	JUN 2003
52.248-1	Value Engineering	FEB 2000
52.249-2	Termination For Convenience Of The Government (Fixed-Price)	MAY 2004
52.249-8	Default (Fixed-Price Supply & Service)	APR 1984
52.251-1	Government Supply Sources	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.201-7000	Contracting Officer's Representative	DEC 1991
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies	DEC 2004
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.204-7004 Alt A	Central Contractor Registration (52.204-7) Alternate A	NOV 2003
252.205-7000	Provision Of Information To Cooperative Agreement Holders	DEC 1991
252.209-7001	Disclosure of Ownership or Control by the Government of a Terrorist Country	SEP 2004
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country	MAR 1998
252.223-7004	Drug Free Work Force	SEP 1988
252.225-7001	Buy American Act And Balance Of Payments Program	JUN 2005
252.225-7002	Qualifying Country Sources As Subcontractors	APR 2003
252.225-7012	Preference For Certain Domestic Commodities	JUN 2004
252.225-7025	Restriction on Acquisition of Forgings	JUN 2005
252.225-7031	Secondary Arab Boycott Of Israel	JUN 2005
252.232-7003	Electronic Submission of Payment Requests	JAN 2004
252.232-7004	DoD Progress Payment Rates	OCT 2001
252.243-7002	Requests for Equitable Adjustment	MAR 1998
252.246-7000	Material Inspection And Receiving Report	MAR 2003
252.247-7023	Transportation of Supplies by Sea	MAY 2002
252.251-7000	Ordering From Government Supply Sources	NOV 2004

52.209-4 FIRST ARTICLE APPROVAL--GOVERNMENT TESTING (SEP 1989)

(Contracting Officer shall insert details)

(a) The Contractor shall deliver **3** unit(s) of Lot/Item **0001AA, 0002AA, 0003AA, 0004AA** within **120** calendar days from the date of this contract to the Government at **NAVEOTECHDIV, 2008 Stump Neck Rd., Bldg. 2195, Indian Head, MD 20640** for first article tests. The shipping documentation shall contain this contract number and the Lot/Item identification. The characteristics that the first article must meet and the testing requirements are specified elsewhere in this contract.

(b) Within **90** calendar days after the Government receives the first article, the Contracting Officer shall notify the Contractor, in writing, of the conditional approval, approval, or disapproval of the first article. The notice of conditional approval or approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the Contractor. A notice of disapproval shall cite reasons for the disapproval.

(c) If the first article is disapproved, the Contractor, upon Government request, shall submit an additional first article for testing. After each request, the Contractor shall make any necessary changes, modifications, or repairs to the first article or select another first article for testing. All costs related to these tests are to be borne by the Contractor, including any and all costs for additional tests following a disapproval. The Contractor shall furnish any additional first article to the Government under the terms and conditions and within the time specified by the Government. The Government shall act on this first article within the time limit specified in paragraph (b) of this clause. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule or for any additional costs to the Government related to these tests.

(d) If the Contractor fails to deliver any first article on time, or the Contracting Officer disapproves any first article, the Contractor shall be deemed to have failed to make delivery within the meaning of the Default clause of this contract.

(e) Unless otherwise provided in the contract, the Contractor--

(1) May deliver the approved first article as a part of the contract quantity, provided it meets all contract requirements for acceptance and was not consumed or destroyed in testing; and

(2) Shall remove and dispose of any first article from the Government test facility at the Contractor's expense.

(f) If the Government does not act within the time specified in paragraphs (b) or (c) of this clause, the Contracting Officer shall, upon timely written request from the Contractor, equitably adjust under the Changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

(g) The Contractor is responsible for providing operating and maintenance instructions, spare parts support, and repair of the first article during any first article test.

(h) Before first article approval, the acquisition of materials or components for, or the commencement of production of, the balance of the contract quantity is at the sole risk of the Contractor. Before first article approval, the costs thereof shall not be allocable to this contract for (1) progress payments, or (2) termination settlements if the contract is terminated for the convenience of the Government.

(i) The Government may waive the requirement for first article approval test where supplies identical or similar to those called for in the schedule have been previously furnished by the Offeror/Contractor and have been accepted by the Government. The Offeror/Contractor may request a waiver.

52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within **365** (insert the period of time within which the Contracting Officer may exercise the option); provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least **60** days (60 days unless a different number of days is inserted) before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed **3 Years and 9 months**
(End of clause)

52.219-6 NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE (JUN 2003)

(a) Definition.

"Small business concern," as used in this clause, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the size standards in this solicitation.

(b) General. (1) Offers are solicited only from small business concerns. Offers received from concerns that are not small business concerns shall be considered nonresponsive and will be rejected.

(2) Any award resulting from this solicitation will be made to a small business concern.

(c) Agreement. A small business concern submitting an offer in its own name shall furnish, in performing the contract, only end items manufactured or produced by small business concerns in the United States or its outlying areas. If this procurement is processed under simplified **acquisition** procedures and the total amount of this contract does not exceed \$25,000, a small business concern may furnish the product of any domestic firm. This paragraph does not apply to construction or service contracts.

(End of clause)

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

WWW.ARNET.GOV

(End of clause)

252.211-7003 ITEM IDENTIFICATION AND VALUATION (JUN 2005)

(a) Definitions. As used in this clause'

Automatic identification device means a device, such as a reader or interrogator, used to retrieve data encoded on machine-readable media.

Concatenated unique item identifier means--

(1) For items that are serialized within the enterprise identifier, the linking together of the unique identifier data elements in order of the issuing agency code, enterprise identifier, and unique serial number within the enterprise identifier; or

(2) For items that are serialized within the original part, lot, or batch number, the linking together of the unique identifier data elements in order of the issuing agency code; enterprise identifier; original part, lot, or batch number; and serial number within the original part, lot, or batch number.

Data qualifier means a specified character (or string of characters) that immediately precedes a data field that defines the general category or intended use of the data that follows.

DoD recognized unique identification equivalent means a unique identification method that is in commercial use and has been recognized by DoD. All DoD recognized unique identification equivalents are listed at <http://www.acq.osd.mil/dpap/UID/equivalents.html>.

DoD unique item identification means a system of marking items delivered to DoD with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items. For items that are serialized within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier and a unique serial number. For items that are serialized within the part, lot, or batch number within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier; the original part, lot, or batch number; and the serial number.

Enterprise means the entity (e.g., a manufacturer or vendor) responsible for assigning unique item identifiers to items.

Enterprise identifier means a code that is uniquely assigned to an enterprise by an issuing agency.

Government's unit acquisition cost means--

(1) For fixed-price type line, subline, or exhibit line items, the unit price identified in the contract at the time of delivery;

(2) For cost-type or undefinitized line, subline, or exhibit line items, the Contractor's estimated fully burdened unit cost to the Government at the time of delivery; and

(3) For items produced under a time-and-materials contract, the Contractor's estimated fully burdened unit cost to the Government at the time of delivery.

Issuing agency means an organization responsible for assigning a non-repeatable identifier to an enterprise (i.e., Dun & Bradstreet's Data Universal Numbering System (DUNS) Number, Uniform Code Council (UCC)/EAN International (EAN) Company Prefix, or Defense Logistics Information System (DLIS) Commercial and Government Entity (CAGE) Code).

Issuing agency code means a code that designates the registration (or controlling) authority for the enterprise identifier.

Item means a single hardware article or a single unit formed by a grouping of subassemblies, components, or constituent parts.

Lot or batch number means an identifying number assigned by the enterprise to a designated group of items, usually referred to as either a lot or a batch, all of which were manufactured under identical conditions.

Machine-readable means an automatic identification technology media, such as bar codes, contact memory buttons, radio frequency identification, or optical memory cards.

Original part number means a combination of numbers or letters assigned by the enterprise at item creation to a class of items with the same form, fit, function, and interface.

Parent item means the item assembly, intermediate component, or subassembly that has an embedded item with a unique item identifier or DoD recognized unique identification equivalent.

Serial number within the enterprise identifier means a combination of numbers, letters, or symbols assigned by the enterprise to an item that provides for the differentiation of that item from any other like and unlike item and is never used again within the enterprise.

Serial number within the part, lot, or batch number means a combination of numbers or letters assigned by the enterprise to an item that provides for the differentiation of that item from any other like item within a part, lot, or batch number assignment.

Serialization within the enterprise identifier means each item produced is assigned a serial number that is unique among all the tangible items produced by the enterprise and is never used again. The enterprise is responsible for ensuring unique serialization within the enterprise identifier.

Serialization within the part, lot, or batch number means each item of a particular part, lot, or batch number is assigned a unique serial number within that part, lot, or batch number assignment. The enterprise is responsible for ensuring unique serialization within the part, lot, or batch number within the enterprise identifier.

Unique item identifier means a set of data elements marked on items that is globally unique and unambiguous.

Unique item identifier type means a designator to indicate which method of uniquely identifying a part has been used. The current list of accepted unique item identifier types is maintained at <http://www.acq.osd.mil/dpap/UID/uid--types.html>.

(b) The Contractor shall deliver all items under a contract line, subline, or exhibit line item.

(c) DoD unique item identification or DoD recognized unique identification equivalents.

(1) The Contractor shall provide DoD unique item identification, or a DoD recognized unique identification equivalent, for--

(i) All delivered items for which the Government's unit acquisition cost is \$5,000 or more; and

(ii) The following items for which the Government's unit acquisition cost is less than \$5,000:

Contract line, subline, or exhibit line

item No.

Item description:

(iii) Subassemblies, components, and parts embedded within delivered items as specified in Attachment Number ----
--.

(2) The concatenated unique item identifier and the component data elements of the DoD unique item identification or DoD recognized unique identification equivalent shall not change over the life of the item.

(3) Data syntax and semantics of DoD unique item identification and DoD recognized unique identification equivalents. The Contractor shall ensure that--

(i) The encoded data elements (except issuing agency code) of the unique item identifier are marked on the item using one of the following three types of data qualifiers, as determined by the Contractor:

(A) Data Identifiers (DIs) (Format 06) in accordance with ISO/IEC International Standard 15418, Information Technology `` EAN/UCC Application Identifiers and ANSI MH 10 Data Identifiers and ANSI MH 10 Data Identifiers and Maintenance.

(B) Application Identifiers (AIs) (Format 05), in accordance with ISO/IEC International Standard 15418, Information Technology `` EAN/UCC Application Identifiers and ANSI MH 10 Data Identifiers and ANSI MH 10 Data Identifiers and Maintenance.

(C) Text Element Identifiers (TEIs), in accordance with the DoD collaborative solution ``DD" format for use until the solution is approved by ISO/IEC JTC1 SC 31. The ``DD" format is described in Appendix D of the DoD Guide to Uniquely Identifying Items, available at <http://www.acq.osd.mil/dpap/UID/guides.htm>; and

(ii) The encoded data elements of the unique item identifier conform to ISO/IEC International Standard 15434, Information Technology--Syntax for High Capacity Automatic Data Capture Media.

(4) DoD unique item identification and DoD recognized unique identification equivalents.

(i) The Contractor shall--

(A) Determine whether to serialize within the enterprise identifier or serialize within the part, lot, or batch number; and

(B) Place the data elements of the unique item identifier (enterprise identifier; serial number; and for serialization within the part, lot, or batch number only; original part, lot, or batch number) on items requiring marking by paragraph (c)(1) of this clause, based on the criteria provided in the version of MIL-STD-130, Identification Marking of U.S. Military Property, cited in the contract Schedule.

(ii) The issuing agency code--

(a) Shall not be placed on the item; and

(B) Shall be derived from the data qualifier for the enterprise identifier.

(d) For each item that requires unique item identification under paragraph (c)(1)(i) or (ii) of this clause, in addition to the information provided as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the Contractor shall report at the time of delivery, either as part of, or associated with, the Material Inspection and Receiving Report, the following information:

(1) Concatenated unique item identifier; or DoD recognized unique identification equivalent.

(2) Unique item identifier type.

- (3) Issuing agency code (if concatenated unique item identifier is used).
- (4) Enterprise identifier (if concatenated unique item identifier is used).
- (5) Original part number.
- (6) Lot or batch number.
- (7) Current part number (if not the same as the original part number).
- (8) Current part number effective date.
- (9) Serial number.
- (10) Government's unit acquisition cost.

(e) For embedded DoD serially managed subassemblies, components, and parts that require unique item identification under paragraph (c)(1)(iii) of this clause, the Contractor shall report at the time of delivery, either as part of, or associated with the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

- (1) Concatenated unique item identifier or DoD recognized unique identification equivalent of the parent item delivered under a contract line, subline, or exhibit line item that contains the embedded subassembly, component, or part.
- (2) Concatenated unique item identifier or DoD recognized unique identification equivalent of the embedded subassembly, component, or part.
- (3) Unique item identifier type.**
- (4) Issuing agency code (if concatenated unique item identifier is used).**
- (5) Enterprise identifier (if concatenated unique item identifier is used).**
- (6) Original part number.**
- (7) Lot or batch number.**
- (8) Current part number (if not the same as the original part number).**
- (9) Current part number effective date.**
- (10) Serial number.**
- (11) Unit of measure.
- (12) Description.

** Once per item.

(f) The Contractor shall submit the information required by paragraphs (d) and (e) of this clause in accordance with the data submission procedures at <http://www.acq.osd.mil/dpap/UID/DataSubmission.htm>.

(g) Subcontracts. If paragraph (c)(1) of this clause applies, the Contractor shall include this clause, including this paragraph (g), in all subcontracts issued under this contract.

(End of clause)

252.211-7005 SUBSTITUTIONS FOR MILITARY OR FEDERAL SPECIFICATIONS AND STANDARDS
(FEB 2003)

(a) Definition. "SPI process," as used in this clause, means a management or manufacturing process that has been accepted previously by the Department of Defense under the Single Process Initiative (SPI) for use in lieu of a specific military or Federal specification or standard at specific facilities. Under SPI, these processes are reviewed and accepted by a Management Council, which includes representatives of the Contractor, the Defense Contract Management Agency, the Defense Contract Audit Agency, and the military departments.

(b) Offerors are encouraged to propose SPI processes in lieu of military or Federal specifications and standards cited in the solicitation. A listing of SPI processes accepted at specific facilities is available via the Internet in PDF format in Excel format at <http://www.dcmam.mil/onebook/7.0/7.2/7.2.6/reports/modified.xls>.

(c) An offeror proposing to use an SPI process in lieu of military or Federal specifications or standards cited in the solicitation shall--

- (1) Identify the specific military or Federal specification or standard for which the SPI process has been accepted;
 - (2) Identify each facility at which the offeror proposes to use the specific SPI process in lieu of military or Federal specifications or standards cited in the solicitation;
 - (3) Identify the contract line items, subline items, components, or elements affected by the SPI process; and
 - (4) If the proposed SPI process has been accepted at the facility at which it is proposed for use, but is not yet listed at the Internet site specified in paragraph (b) of this clause, submit documentation of Department of Defense acceptance of the SPI process.
- (d) Absent a determination that an SPI process is not acceptable for this procurement, the Contract shall use the following SPI processes in lieu of military or Federal specifications or standards:

(Offeror insert information for each SPI process)

SPI Process: _____

Facility: _____

Military or Federal Specification or Standard: _____

Affected Contract Line Item Number, Subline Item Number, Component, or Element: _____

(e) If a prospective offeror wishes to obtain, prior to the time specified for receipt of offers, verification that an SPI process is an acceptable replacement for military or Federal specifications or standards required by the solicitation, the prospective offeror--

- (1) May submit the information required by paragraph (d) of this clause to the Contracting Officer prior to submission of an offer; but

(2) Must submit the information to the Contracting Officer at least 10 working days prior to the date specified for receipt of offers.

(End of clause)

Section J - List of Documents, Exhibits and Other Attachments

ATTACHMENTS

1. Drawings: 8179186, 8179260, 8179194, 8179194
2. Contract Administration Plan

Section K - Representations, Certifications and Other Statements of Offerors

CLAUSES INCORPORATED BY REFERENCE

52.203-11	Certification And Disclosure Regarding Payments To Influence Certain Federal Transactions	APR 1991
52.222-38	Compliance With Veterans' Employment Reporting Requirements	DEC 2001
252.209-7001	Disclosure of Ownership or Control by the Government of a Terrorist Country	SEP 2004

CLAUSES INCORPORATED BY FULL TEXT

52.203-2 CERTIFICATE OF INDEPENDENT PRICE DETERMINATION (APR 1985)

(a) The offeror certifies that --

(1) The prices in this offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other offeror or competitor relating to --

(i) Those prices,

(ii) The intention to submit an offer, or

(iii) The methods of factors used to calculate the prices offered:

(2) The prices in this offer have not been and will not be knowingly disclosed by the offeror, directly or indirectly, to any other offeror or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a negotiated solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the offeror to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

(b) Each signature on the offer is considered to be a certification by the signatory that the signatory --

(1) Is the person in the offeror's organization responsible for determining the prices offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision _____ (insert full name of person(s) in the offeror's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the offeror's organization);

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and

(iii) As an agent, has not personally participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision.

(c) If the offeror deletes or modifies subparagraph (a)(2) of this provision, the offeror must furnish with its offer a signed statement setting forth in detail the circumstances of the disclosure.

(End of clause)

52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

Common parent, as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

Taxpayer Identification Number (TIN), as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

___ TIN:-----

___ TIN has been applied for.

___ TIN is not required because:

___ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

___ Offeror is an agency or instrumentality of a foreign government;

___ Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

___ Sole proprietorship;

___ Partnership;

___ Corporate entity (not tax-exempt);

___ Corporate entity (tax-exempt);

☐ Government entity (Federal, State, or local);

☐ Foreign government;

☐ International organization per 26 CFR 1.6049-4;

☐ Other-----

(f) Common parent.

☐ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

☐ Name and TIN of common parent:

Name-----

TIN-----

(End of provision)

52.204-8 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (JAN 2005)

(a)(1) If the clause at 52.204-7, Central Contractor Registration, is included in this solicitation, paragraph (b) of this provision applies.

(2) If the clause at 52.204-7 is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (b) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

☐ Paragraph (b) applies.

☐ Paragraph (b) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(b) The offeror has completed the annual representations and certifications electronically via the Online Representations and Certifications Application (ORCA) website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause	Title	Date	Change
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

(End of Provision)

52.207-4 ECONOMIC PURCHASE QUANTITY--SUPPLIES (AUG 1987)

(a) Offerors are invited to state an opinion on whether the quantity(ies) of supplies on which bids, proposals or quotes are requested in this solicitation is (are) economically advantageous to the Government.

Each offeror who believes that acquisitions in different quantities would be more advantageous is invited to recommend an economic purchase quantity. If different quantities are recommended, a total and a unit price must be quoted for applicable items. An economic purchase quantity is that quantity at which a significant price break occurs. If there are significant price breaks at different quantity points, this information is desired as well.

OFFEROR RECOMMENDATIONS			
PRICE			
ITEM	QUANTITY	QUOTATION	TOTAL

(c) The information requested in this provision is being solicited to avoid acquisitions in disadvantageous quantities and to assist the Government in developing a data base for future acquisitions of these items. However, the Government reserves the right to amend or cancel the solicitation and resolicit with respect to any individual item in the event quotations received and the Government's requirements indicate that different quantities should be acquired.

(End of provision)

52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (DEC 2001)

(a)(1) The Offeror certifies, to the best of its knowledge and belief, that-

(i) The Offeror and/or any of its Principals-

(A) Are () are not () presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have () have not (), within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) Are () are not () presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision.

(ii) The Offeror has () has not (), within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

This Certification Concerns a Matter Within the Jurisdiction of an Agency of the United States and the Making of a False, Fictitious, or Fraudulent Certification May Render the Maker Subject to Prosecution Under Section 1001, Title 18, United States Code.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

(End of provision)

52.215-6 PLACE OF PERFORMANCE (OCT 1997)

(a) The offeror or respondent, in the performance of any contract resulting from this solicitation, () intends, () does not intend (check applicable block) to use one or more plants or facilities located at a different address from the address of the offeror or respondent as indicated in this proposal or response to request for information.

(b) If the offeror or respondent checks "intends" in paragraph (a) of this provision, it shall insert in the following spaces the required information:

Place of Performance(Street Address, City, State, County, Zip Code)	Name and Address of Owner and Operator of the Plant or Facility if Other Than Offeror or Respondent

(End of provision)

52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (MAY 2004) - ALTERNATE I (APR 2002)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is **332995**

(2) The small business size standard is **500**

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it () is, () is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it () is, () is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it () is, () is not a service-disabled veteran-owned small business concern.

(6) [Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.] The offeror represents, as part of its offer, that--

(i) It () is, () is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It () is, () is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. (The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: _____.) Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(7) (Complete if offeror represented itself as disadvantaged in paragraph (b)(2) of this provision.) The offeror shall check the category in which its ownership falls:

____ Black American.

____ Hispanic American.

____ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

____ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

____ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

____ Individual/concern, other than one of the preceding.

(c) Definitions. As used in this provision--

Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; or

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

(End of provision)

52.222-18 CERTIFICATION REGARDING KNOWLEDGE OF CHILD LABOR FOR LISTED END PRODUCTS (FEBRUARY 2001)

(a) Definition.

Forced or indentured child labor means all work or service--

(1) Exacted from any person under the age of 18 under the menace of any penalty for its nonperformance and for which the worker does not offer himself voluntarily; or

(2) Performed by any person under the age of 18 pursuant to a contract the enforcement of which can be accomplished by process or penalties.

(b) Listed end products. The following end product(s) being acquired under this solicitation is (are) included in the List of Products Requiring Contractor Certification as to Forced or Indentured Child Labor, identified by their country of origin. There is a reasonable basis to believe that listed endproducts from the listed countries of origin may have been mined, produced, or manufactured by forced or indentured child labor.

Listed End Product

Listed Countries of Origin

(c) Certification. The Government will not make award to an offeror unless the offeror, by checking the appropriate block, certifies to either paragraph (c)(1) or paragraph (c)(2) of this provision.

() (1) The offeror will not supply any end product listed in paragraph (b) of this provision that was mined, produced, or manufactured in a corresponding country as listed for that end product.

() (2) The offeror may supply an end product listed in paragraph (b) of this provision that was mined, produced, or manufactured in the corresponding country as listed for that product. The offeror certifies that it has made a good faith effort to determine whether forced or indentured child labor was used to mine, produce, or manufacture such end product. On the basis of those efforts, the offeror certifies that it is not aware of any such use of child labor.

(End of provision)

52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)

The offeror represents that --

(a) ☐ It has, ☐ has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) ☐ It has, ☐ has not, filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

(End of provision)

52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that

(a) ☐ it has developed and has on file, ☐ has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or

(b) ☐ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

(End of provision)

52.223-13 CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING (AUG 2003)

(a) Executive Order 13148, of April 21, 2000, Greening the Government through Leadership in Environmental Management, requires submission of this certification as a prerequisite for contract award.

(b) By signing this offer, the offeror certifies that--

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: (Check each block that is applicable.)

☐ (i) The facility does not manufacture, process, or otherwise use any toxic chemicals listed in 40 CFR 372.65;

☐ (ii) The facility does not have 10 or more full-time employees as specified in section 313.(b)(1)(A) of EPCRA 42 U.S.C. 11023(b)(1)(A);

☐ (iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

☐ (iv) The facility does not fall within the following Standard Industrial Classification (SIC) codes or their

corresponding North American Industry Classification System sectors:

(A) Major group code 10 (except 1011, 1081, and 1094.

(B) Major group code 12 (except 1241).

(C) Major group codes 20 through 39.

(D) Industry code 4911, 4931, or 4939 (limited to facilities that combust coal and/or oil for the purpose of generating power for distribution in commerce).

(E) Industry code 4953 (limited to facilities regulated under the Resource Conservation and Recovery Act, Subtitle C (42 U.S.C. 6921, et seq.), 5169, 5171, or 7389 (limited to facilities primarily engaged in solvent recovery services on a contract or fee basis); or

() (v) The facility is not located within the United States or its outlying areas.

(End of clause)

252.225-7003 REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES AND CANADA--SUBMISSION WITH OFFER (JUN 2005)

(a) Definition. United States, as used in this provision, means the 50 States, the District of Columbia, and outlying areas.

(b) The offeror shall submit, with its offer, a report of intended performance outside the United States and Canada if--

(1) The offer exceeds \$10 million in value; and

(2) The offeror is aware that the offeror or a first-tier subcontractor intends to perform any part of the contract outside the United States and Canada that--

(i) Exceeds \$500,000 in value; and

(ii) Could be performed inside the United States or Canada.

(c) Information to be reported includes that for--

(1) Subcontracts;

(2) Purchases; and

252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA (AUG 1992)

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term supplies is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it:

____ (1) Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

____ (2) Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

(End of provision)

Section L - Instructions, Conditions and Notices to Bidders

CLAUSES INCORPORATED BY REFERENCE

52.204-6	Data Universal Numbering System (DUNS) Number	OCT 2003
52.215-1	Instructions to Offerors--Competitive Acquisition	JAN 2004
52.232-13	Notice of Progress Payment	APR 1984

CLAUSES INCORPORATED BY FULL TEXT

52.211-14 NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)

Any contract awarded as a result of this solicitation will be DX rated order; **X** DO rated order certified for national defense use under the Defense Priorities and Allocations System (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation. [Contracting Officer check appropriate box.]

(End of provision)

52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a **Firm Fixed Price** contract resulting from this solicitation.

(End of clause)

52.233-2 SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from **Renee Brown, NSWC Indian Head, 101 Strauss Ave., Indian Head, MD 20460**

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

(End of provision)

52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

WWW.ARNET.GOV

(End of provision

HQ L-2-0005 - NOTIFICATION OF POTENTIAL ORGANIZATIONAL CONFLICT(S) OF INTEREST
(NAVSEA) (JUN 1994)

- (a) Offerors are reminded that certain existing contractual arrangements may preclude, restrict or limit participation, in whole or in part, as either a subcontractor or as a prime contractor under this competitive procurement. Of primary concern are those contractual arrangements in which the Offeror provides support to NAVEODTECHDIV, or related laboratories (if applicable), in support of operation of the office or any of its programs. General guidance may be found in FAR 9.505; however, this guidance is not all inclusive. The Offeror's attention is directed to the "Organizational Conflict of Interest" (or similar) requirement which may be contained in current or completed contract(s) which prohibits the prime or subcontractor from providing certain supplies or services to the Government as described above during the period of the current "support" contract(s) or for a period after completion of the "support" contract(s). Notwithstanding the existence or non-existence of an Organizational Conflict of Interest (OCI) clause or similar requirement in current or completed contract(s), the offeror shall comply with FAR 9.5 and identify whether an OCI exists and not rely solely on the presence of an OCI requirement.
- (b) If a potential conflict of interest exists at any tier, each potential prime offeror is requested to notify the Contracting Officer within 14 days of the date of this solicitation. The Offeror shall provide: (1) the contract number and name and phone number of the Contracting Officer for the contract which gives rise to a potential organizational conflict of interest; (2) a copy of the requirement; (3) the statement of work (or technical instruction) from the existing contract; (4) a brief description of the type of work to be performed by each subcontractor under the competitive procurement; and (5) any additional information the Contracting Officer should consider in making a determination of whether a conflict of interest exists. The Government may independently verify the information received from the offeror. Notwithstanding the above, the Government reserves the right to determine whether a conflict of interest exists based on any information received from any source.
- (c) The Government will notify an offeror of any conflict of interest within 14 days of receipt of all required information. Those offerors deemed to have a conflict of interest may be ineligible for award. Failure to provide the information in a timely manner does not waive the Government's rights to make a conflict of interest determination. The offeror is notified that if it expends time and money on proposal preparation, such expenditure is at its own risk that the Government will not determine that an organizational conflict of interest exists.
- (d) Any potential prime contractor which proposes a subcontractor later determined to have a conflict of interest and deemed ineligible to participate in the current competition, may not be granted the opportunity to revise its proposal to remove the ineligible subcontractor. The Government reserves the right to determine which offerors remain in the competitive range through the normal source selection process.
- (e) If the offeror determines that a potential organizational conflict of interest does not exist at any tier, the offeror shall include a statement to that effect in its response to this solicitation.

HQ L-2-0010 - SUBSTITUTION OF PREVIOUSLY APPROVED SINGLE PROCESS INITIATIVE (NAVSEA) (MAY 1998)

Your proposal shall identify where you are substituting your previously approved Single Process Initiative (SPI) processes for specified requirements. In addition, offerors shall provide the information required by DFARS 252.211-7005, paragraph (c).

HQ L-2-0012 - USE OF NON-DEVELOPMENTAL ITEMS (NDI) (NAVSEA) (MAY 1993)

(a) Use of NDI is the preferred method of satisfying operational requirements of the Navy where such use does not degrade the operational or performance requirements. The term NDI means:

- (1) Any item of supply that is available in the commercial marketplace;
- (2) Any previously developed item of supply that is in use by a department or agency of the United States, a State or local government, or a foreign government with which the United States has a mutual defense cooperation agreement;
- (3) Any item of supply described in paragraph (1) or (2) that requires only minor modification in order to meet the requirements of the procuring agency; or
- (4) Any item of supply that is currently being produced that does not meet the requirements of paragraph (1), (2), or (3) solely because the item:
 - (i) is not yet in use; or
 - (ii) is not yet available in the commercial marketplace.

(b) Offerors are encouraged to propose NDI or partial NDI alternatives to conventional R&D or MIL-SPEC production hardware or software requirements of this solicitation at all levels of the work breakdown structure (i.e., end-item, sub-system, component, piece part, etc.). All proposed NDI alternatives shall be clearly identified in the proposal. The intent of the NDI alternative is to provide the Navy with effective and economic solutions to its essential operational requirements.

IHD 195 - SECTION L PROPOSAL REQUIREMENTS (FEB 2000) (NAVSEA/IHD)

Instructions to Offerors

The Government intends to award a single contract as a result of this solicitation. Each Offeror shall submit a proposal that clearly and concisely describes and defines the contractor's response to the requirements contained in the RFP. Use of general or vague statements such as "standard procedures will be used" will not satisfy this requirement. Unnecessary elaboration or other presentations beyond that sufficient to present a complete and effective proposal are not desired and may be construed as an indication of the Offeror's lack of understanding or cost consciousness. Elaborate artwork, expensive paper or bindings, and expensive visual or other presentation aids are neither necessary nor desired.

The Offeror shall not repeat information required in the responses in two or more proposal data requirements. Such information shall be presented in detailing the one area of the proposal where it contributes most critically to the discussion of the data requirement. In other areas where discussion of the same information is necessary, the Offeror shall refer to the initial discussion and identify its location within his proposal.

The proposal shall contain all the pertinent information in sufficient detail to permit evaluation of the proposal. This shall include cross-referencing for traceability.

Each Offeror must submit an offer/proposal and other written information in strict accordance with these instructions.

Instructions for Written Proposals

- A Legibility, clarity, and compliance with the requirements of the solicitation are essential.
- B Clarity and completeness of the proposal are of utmost importance. Use of general or vague statements such as "standard procedures will be used" will not satisfy this requirement. Typos and sloppiness in the proposal will be an indication as to the type of work the Government can expect during contract performance.
- c. Each volume shall be bound separately. Each volume shall include a cover page that contains the following:
 - 1.The full company name and address of the Offeror including phone and fax numbers;
 - 2.The point(s) of contact for technical and contractual issues including phone and fax numbers, and e-mail addresses;
 - 3.The volume number ,title, copy number, and the Offeror's tracking number;
 - 4.The solicitation number for the RFP.
- d.Only Volumes I and III shall contain price/cost information.
- e.Page Limit information- no page limitation

When evaluating an Offeror, the Government will consider how well the Offeror complied with both the letter and spirit of these instructions. The Government will consider any failure on the part of an Offeror to comply with both the letter and spirit of these instructions to be an indication of the type of conduct it can expect during contract performance. Therefore, the Government encourages Offerors to contact the Contracting Officer by telephone, facsimile transmission, mail, or e-mail in order to request an explanation of any aspect of these instructions.

Proposals shall contain the following:

A. Offer/Proposal Submission

The RFP includes the potential (or model) contract or proposal consisting of:

Volume I - Offer/Proposal (2 copies)

A complete copy of the solicitation with all the appropriate required fill-in information

Acceptance via signature of all amendments

Volume II -Offeror Capability (2 copies)

Past Performance Matrix

Volume III - Cost andPrice Information (2 copies)

Cost and Pricing Information

These items constitute the Offeror's assent to the terms of the RFP and the Offeror's proposal prices or estimated cost and fee. By submitting these items, a promise is made by the Offeror to accede to the terms and conditions of the RFP and complete the specified work in accordance with those terms and conditions.

Volume II – Offeror Capability

Past Performance

Past performance is a measure of the degree to which an offeror, as an organization, has during the past three (3) years: 1) satisfied its customers; and 2) complied with Federal, State, and local laws and regulations. The Government will inquire about: 1) the quality and timeliness of the Offeror's work; 2) the reasonableness of its prices, costs, and claims; 3) the reasonableness of its business behavior -- its willingness to cooperate and helpfulness in solving problems; 4) its concern for the interest of its customers; and 5) its integrity.

The Government will also assess an offeror's record in complying with subcontracting plan goals, if applicable.

The Past Performance Questionnaire in Attachment 1 will be used to collect this information. The offeror shall send this questionnaire to at least three (3) references and ensure that the references return the completed questionnaires to the contract specialist timely. In addition, the Government may use past performance information obtained from other sources.

The offeror and their subcontractors shall complete lines A through H on page 2 of 3 of the questionnaire in Attachment 1 of the RFP and send a copy directly to the Program Manager/COR. This should be done within seven days after receipt of the RFP. The offeror shall request the Program Manager/COR to complete the questionnaire and forward it to the following address no later than the due date for this solicitation (See Block #9 of SF-33 of the RFP):

OUTSIDE ENVELOPE: Commander, Indian Head Division
Naval Surface Warfare Center
Supply Department, Bldg. 1558
Attn: Willy Quiambao, Code C13Q
101 Strauss Ave.
Indian Head, MD 20640-5035

INNER ENVELOPE: Attn: Mr. Willy Quiambao
RFP N00174-06-R-0036

In addition, offerors shall prepare and submit a Past Performance Reference List to the above address as soon as is practicable after receipt of the RFP, but in no event shall it be later than the due date for this solicitation.

The Offeror's reference information must be current to facilitate the evaluation process. Failure of the Offeror's references to respond within the allocated time frame will result in the inability of the government to evaluate the Offeror's past performance and will affect the rating.

The Past Performance Reference List shall contain the following information prepared in the following format:

PAST PERFORMANCE REFERENCE LIST

(1) Contract Number	(2) Contract Type	(3) Program Title & Brief Desc. Of Work Performed	(4) PC/SC	(5) <div></div> POC Name Teleph one	(6) Date Questionnaire Faxed/Mailed

(Chart compressed to fit page. Offerors may expand and format for a landscaped page.)

- (1) Contract No./Delivery Order
- (2) Contract/Delivery Order Type
- (3) Program Title, including a brief [50 words or less] description of work performed.
- (4) Enter PC if performed as Prime Contractor or SC if performed as Sub-Contractor.
- (5) Point of Contact Name and Telephone Number
- (6) Date Questionnaire faxed/mailed to the Program Manager/COR

The Offeror shall explain, if any, the role that subcontractor's have played in contributing to the successes and/or failures of the offeror and to what extent subcontractors performance has contributed to the past performance evaluation.

Offerors must either provide the above information or affirmatively state that it possesses no relevant, directly related, or similar past performance. Offerors must also provide past performance information for each subcontractor proposed.

ATTACHMENT 1

PAST PERFORMANCE QUESTIONNAIRE

Program Managers, or their Contracting Officer Representatives, are requested to complete the attached past performance questionnaire to be used in evaluating past performance. Upon completion please submit to:

OUTSIDE ENVELOPE: Commander, Indian Head Division
Naval Surface Warfare Center
Attn: Willy Quiambao, Code C13Q
Supply Department, Bldg. 1558
101 Strauss Ave.
Indian Head, MD 20640-5035

INNER ENVELOPE: Attn: Mr. Willy Quiambao, Code C13Q
RFP N00174-06-R-0036

SOURCE SELECTION
PAST PERFORMANCE QUESTIONNAIRE

A. CONTRACTOR:

B. CONTRACT NUMBER:

C. CONTRACT TYPE:

D. ORIGINAL CONTRACT VALUE:

E. CURRENT CONTRACT VALUE:

F. NATURE OF EFFORT:

G. PERIOD OF PERFORMANCE:

H. PLACE OF PERFORMANCE:

Please complete the questionnaire as a coordinated effort for the Contracting Officer. For the first 18 questions, choose the letter which most accurately describes the Contractor's performance on the contract listed above. "E" represents Excellent, "G" represents Good, and "P" represents Poor. If the question is *not applicable*, circle "N/A". Please add any comments and information that may help to determine the Contractor's probable performance.

1. Evaluate the Contractor's compliance with contractual terms and conditions. E G P N/A
2. Evaluate the Contractor's adherence to task schedules and mission requirements. E G P N/A
3. How well did the Contractor demonstrate the ability to overcome program, technical, or schedule difficulties? E G P N/A
4. Evaluate the Contractor's responsiveness to technical direction. E G P N/A
5. Evaluate the Contractor's technical judgment as demonstrated by the quality of their design reviews. E G P N/A
6. Evaluate the Contractor's ability to solve business management problems without extensive guidance from the procuring activity counterpart. E G P N/A
7. How responsive and reasonable was the Contractor with regard to negotiating changes and modifications. E G P N/A

8. Evaluate the Contractor's labor force in terms of overall qualifications to perform the work required. E G P N/A
9. Evaluate the Contractor's willingness and ability to integrate as a team with the existing work force, (Government and/or other contractors.) E G P N/A
10. Evaluate the stability of the Contractor's work force E G P N/A
11. How well did the Contractor exercise management control over his own personnel? E G P N/A
12. If the Contractor used subcontractor(s), how well did the Contractor exercise management control over the subcontractor(s)? E G P N/A
13. Evaluate the Contractor's work control procedures. E G P N/A
14. How responsive was the Contractor to after hours emergency calls? E G P N/A
15. Evaluate the Contractor's cost reporting and estimating system. E G P N/A
16. Evaluate the Contractor's ability to control costs, including overhead. E G P N/A
17. Evaluate the responsiveness and quality of Contractor reports and documentation. E G P N/A
18. Evaluate the Contractor's development and utilization of key personnel. E G P N/A
19. If the contract specified subcontracting goals, how well did the Contractor comply? E G P N/A
20. How has the use of uncompensated overtime affected productivity?

21. Was the Contractor cooperative in negotiations and in resolving issues? YES / NO
22. Have there been any termination's of tasks due to inability to meet technical requirements, delivery schedules, or cost Predictions? YES / NO
If so, how many?
23. Would you award similar contracts to the Contractor in the future? YES / NO
24. What role did you play (e.g. COR, Contract Specialist, ACO)? _____
How long?

NAME (Printed)/P hone

SIGNATURE

DATE

Comments

Volume III - Cost and Price Information

Cost Proposals must meet the following requirements;

Two (2) copies of Volume III shall be submitted. Volume III shall include the price proposal and any available pricing information.

The price proposal shall include the completed solicitation document and any available pricing information to facilitate the price analysis that will be performed in evaluating the proposal (i.e., cost breakdown, catalog pricing, past pricing history, etc.).

The price/cost information shall include data regarding the general financial condition of the Offeror and specific plans for financing the proposed contract. The Government does not intend to provide any financial assistance.

The Offeror shall furnish the name, location, and point of contact of the assigned DCAA office as part of the price/cost information.

Section M - Evaluation Factors for Award

CLAUSES INCORPORATED BY REFERENCE

52.217-5

Evaluation Of Options

JUL 1990

CLAUSES INCORPORATED BY FULL TEXT

HQ M-2-0006 - EVALUATION OF PREVIOUSLY APPROVED SINGLE PROCESS INITIATIVE (NAVSEA)
(NOV 1996)

Previously approved Single Process Initiative (SPI) processes will be evaluated under the source selection criteria of the RFP. If the successful offeror has previously approved SPI processes in the proposal, those SPI processes will be incorporated into the contract upon award.

IHD 211-SECTION M BEST VALUE EVALUATION AND BASIS FOR AWARD (FFP) (MAR 2000)
 (NAVSEA/IHD)

SECTION M EVALUATION FACTORS FOR AWARD

I. GENERAL INFORMATION

The Government intends to award a single contract as a result of this solicitation. The Government will award the contract to the Offeror representing the best value using the tradeoff process. The Government will determine best value using the tradeoff process on the basis of the following factors (in descending order of importance):

- (1) Offeror Capability (Past performance)
- (2) Price or Estimated Cost and Fee

The Government intends to award the contract on the basis of initial offers received, without discussions. Therefore, each offer/proposal, should contain the Offeror's best terms from their offer/proposal and cost/price standpoint. However, if considered necessary by the Contracting Officer, discussions will be conducted only with those Offerors determined to have a reasonable chance for award.

The Government will determine the Offeror that represents the best value to the Government using the LOCAR (Level of confidence assessment rating) method. In developing the LOCAR for each Offeror the Government shall consider that Offeror's past performance. Once the LOCAR for each Offeror is determined the Government will then compare/rank Offerors based on their LOCAR and price, to arrive at a decision to the offeror that represents the best value to the Government. Utilizing the tradeoff process. The Government reserves the right to conduct a Pre-Award Survey prior to award.

1. Offer/Proposal

Proposal shall include the following:

Volume I - Offer/Proposal (2 copies)

Complete copy of the solicitation filled in with all appropriate information filled in by the Offeror.

Acceptance via signature of all amendments

Volume II - Offeror Capability (2 copies)

Past Performance Matrix

Volume III - Cost and Price Information (2 copies and 1 electronic copy)

Cost and Pricing Information

Evaluation Factors:

Offeror Capability - Past Performance

Past performance is a measure of the degree to which an offeror, as an organization, has 1) satisfied its customers; and 2) complied with Federal, State, and local laws and regulations. The Government will inquire about: 1) the quality and timeliness of the offeror's work; 2) the reasonableness of its prices, costs, and claims; 3) the reasonableness of its business behavior -- its willingness to cooperate and helpfulness in solving problems; 4) its concern for the interest of its customers; and 5) its integrity.

Past Performance information is one indicator of an Offer's ability to perform the requirements successfully. The information obtained on the Offeror will be used to assess performance risk. The Government will evaluate the Offeror's Past Performance using four qualitative rating definitions (Excellent, Good, Poor, and Neutral).

Failure of an Offeror's references to respond within the required timeframe may result in the inability of the Government to evaluate an Offeror's past performance and may affect the overall rating. It is the Offeror's responsibility to ensure references respond within the required timeframe.

Past performance information for prime contractors and subcontractors will be rated equally.

1.) Past Performance - Past Performance shall be evaluated based on information received from the references submitted by each offeror and/or based on the Government's own knowledge based on experience with prior or current contracts with an offeror. The assigned ratings shall be based on the following:

Excellent - A significant majority of the sources of information are consistently firm in stating that the Offeror's performance was superior, and they would unhesitatingly do business with the offeror again. The contractual performance was accomplished with minor problems, to which corrective action taken by the contractor was highly effective.

Good - Most sources of information state that the Offeror's performance was acceptable and that they would unhesitatingly do business with the offeror again. The contractual performance was accomplished with some minor problems, to which corrective actions taken by the contractor were effective.

Poor - Many sources of information make unfavorable reports that the Offeror's performance was entirely inadequate and state that they would refuse to do business with the Offeror again.

Neutral - Offeror has asserted that offeror does not possess any relevant information directly related or similar past performance. The offeror receives no merit or demerit for this factor.

Cost/Price Information

Price/Cost will be evaluated for the base year and all option years. The price/cost proposal shall be evaluated to determine fairness, reasonableness.

Cost is not the most important evaluation factor. Prospective Offerors are forewarned that a proposal meeting solicitation requirements with the lowest evaluated cost may not be selected if award to a higher evaluated cost Offeror is determined to be most advantageous to the Government.

A Level of Confidence Assessment Rating (LOCAR)

The Government will assess Offeror's capability to develop a LOCAR. The LOCAR will reflect a subjective assessment of the likelihood that the Offeror will keep promises to comply with the terms and conditions of this solicitation. LOCAR will be an important consideration in the source selection decision. The following is the scale for the LOCAR:

Less Confident (0 - 40) - (Less likely to succeed).

More Confident (60 - 94) - (More likely to succeed).

Most Confident (95 - 100) - (Most likely to succeed).

Neutral (50) - Indicates that the EP believes that success and failure are equally likely, that is, that the Offeror has a 50/50 chance of success. The score of 50 is appropriate when the EP has no basis for believing in either success or failure.

The Government will assign a LOCAR to the capability of each Offeror (including past performance). The following Table is an example of the scoring process for the Offeror Capability Evaluation:

Table 1 - Offeror Capability/LOCAR Determination

Offeror	Past Performance	LOCAR
A	Excellent	95
B	Good	80
C	Poor	40

Best Value Tradeoff Analysis

In order to determine which Offeror represents the best value utilizing the tradeoff process, the Government will make a series of paired comparisons among the Offerors, trading off the differences in the non-price factors against the difference in most probable price between the Offerors. If, in any paired comparison, of any two Offerors, one Offeror has both a higher LOCAR and the lower price, then that Offeror is the best value. If the Offeror with the higher LOCAR has the higher price, then the Government must decide whether the margin of higher LOCAR (i.e. greater prospects for success) is worth the higher price. The Government will continue to make paired comparisons in this way until an Offeror representing the best value is identified.

Table 2 – Tradeoff Analysis

Offeror	LOCAR	Price
A	95	\$940K
B	80	\$900K
C	40	\$990K

SINGLE OFFEROR

In the event where the Government only receives one proposal submission, the Government reserves the right to award only if: (1) the Offeror receives a total LOCAR score of 70 or higher and (2) the Offeror's costs are determined to be fair and reasonable for the LOCAR score received. Predicated on the Offeror meeting the specified LOCAR score and determination of costs being fair and reasonable, only then will the Offeror be eligible for award.

FIRM FIXED PRICE SUPPLY CONTRACT WITH PROVISIONS FOR MAINTENANCE
OR ACCEPTANCE TESTING CRITERIA OR OTHER PROVISIONS WHICH
REQUIRE UNUSUAL MONITORING AND A COR

CONTRACT ADMINISTRATION PLAN
CONTRACT NO. N00174-**TBD**

In order to expedite administration of this contract, the following delineation of duties is provided. The individual/position designated as having responsibility should be contacted for any questions, clarifications, or information regarding the functions assigned.

1. PROCURING CONTRACTING OFFICER (PCO) is responsible for:

- a. All pre-award information, questions, or data.
- b. Freedom of Information inquiries
- c. Change/questions/information regarding the scope, terms or conditions of the basic contract document.
- d. Arranging the post award conference
- e. Monitoring of the COR
- f. Meeting annually with COR to review contract performance (joint responsibility of the COR). This may be satisfied telephonically, depending on the circumstances.

Other _____

2. CONTRACT ADMINISTRATION OFFICE (CAO) is responsible for matters specified in FAR 42.302 and DFARS 242.302 except in those areas otherwise designated herein.

3. PAYING OFFICE is responsible for payment of approved proper invoices after acceptance is documented.

4. CONTRACTING OFFICER'S REPRESENTATIVE (COR) is responsible for:

- a. Controlling all government technical interface with the contractor and providing technical advice and clarifications of the specifications/statement of work.
- b. Providing copies of all government/contractor technical correspondence to the PCO.
- c. Promptly furnishing the PCO with documentation/comment on any request for change, deviation or waiver (whether generated by the government or the contractor).
- d. Assuring that equipment is delivered on time, and promptly notifying the PCO if any contractor delay in delivery is experienced.
- e. If applicable, coordination of site preparation and installation to the extent specified in the contract as the government's responsibility.

- f. Quality assurance, inspection and acceptances of supplies, or services (if applicable).
- g. If applicable, monitoring standard of performance testing or effectiveness level acceptance criteria.
- h. If applicable, monitoring of credits, such as downtime credits for maintenance if provided for in the contract, and making appropriate adjustments on contractor reimbursement.
- i. Promptly reviewing the contractor's invoices for goods/services received and accepted, to assure that they conform to the contract pricing. Improper invoices shall be returned immediately to the contractor. Proper correct invoices and/or DD250's, as applicable shall be approved and forwarded to the paying office.
- j. Maintain a COR file of all correspondence with the PCO and contractor and copies of all invoices.
- k. Meeting annually with the PCO to review contract performance, this may be satisfied telephonically, depending upon the circumstances.
- l. Complying with SECNAVINST 4200.27A "Proper Use of Contractor Personnel", NAVSEAINST 4200.17B and SECNAVINST 4205.5 "Contracting Officer's Technical Representative" and the Contracting Officer's COR Appointment Letter.
- m. Submission of written report on contractor performance within 60 days of contract completion, but not less often than annually.
- n. Anticipating and submitting requests for follow-on contract requirements in sufficient time to allow for award prior to the expiration of this contract.
- o. Contract Performance Assessment System (CPARS).
 - () This contract WILL be registered in the CPARS database by the Contracts Division with the assistance of the COR. As stated in the COR appointment letter the COR is responsible for updating the CPARS database.
 - () CPARS does NOT apply to this contract.

Other: _____

NAMES/ADDRESS/TELEPHONE NUMBERS OF COGNIZANT INDIVIDUAL/OFFICE

COR _____		
NAME	CODE	TELEPHONE

PCO (refer to Contracting Officer who signed contract documents)

_____	CODE	TELEPHONE
PAYING OFFICE (refer to page one of the contract document)		
CAO (refer to page one of the contract document)		

INCH-POUND

DTL WS 34035
CAGE Code 53711

DETAIL SPECIFICATION

PRODUCT FABRICATION SPECIFICATION

DEMOLITION CHARGE CASE PACKAGING ASSEMBLY AND EOD REILL KIT (CASE, DEMOLITION CHARGE)

Prepared for:
Naval Explosive Ordnance Disposal Technology Division
Acquisition Division (502)
Indian Head, MD 20640-5070

Prepared by:
Indian Head Division
Naval Surface Warfare Center
101 Strauss Avenue
Indian Head, MD 20640-5035

SUBMITTED BY:

James W. Gray

DATE:

05-12-20

APPROVED FOR USE AS
PRODUCT BASELINE BY:

Jerry A. Decker

DATE:

05-12-21

FSC 1385

DISTRIBUTION STATEMENT D: Distribution authorized to Department of Defense and U.S. DoD contractors only. Specific authority: 19 May 05. Other requests shall be referred to Naval Explosive Ordnance Disposal Technology Division, Indian Head, Maryland 20640.

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DETAIL SPECIFICATION
**DEMOLITION CHARGE CASE PACKAGING ASSEMBLY
 AND EOD REFILL KIT (CASE, DEMOLITION CHARGE)**

1. SCOPE

1.1 Scope. This specification establishes the requirements for manufacture and acceptance of the Demolition Charge Case Packing Assembly and EOD Refill Kit (Case, Demolition Charge), herein referred to as the case assembly and kit.

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in sections 3 and 4 of this specification, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications and standards. The following specifications and standards form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

DEPARTMENT OF DEFENSE

MIL-STD-129 Military Marking for Shipment and Storage

MIL-STD-130 Identification Marking of U.S. Military Property

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from: Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

2.2.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

DISTRIBUTION STATEMENT D: Distribution authorized to Department of Defense and U.S. DoD contractors only. Specific authority: 19 May 05. Other requests shall be referred to Naval Explosive Ordnance Disposal Technology Division, Indian Head, Maryland 20640.

WARNING: This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., APP. 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directive 5230.25.

DESTRUCTION NOTICE. For classified documents, follow the procedures in DoD 5220.22-M, Industrial Security Manual, Chapter 5, Section 7 or DoD 5200.1-R, Information Security Program Regulation, Chapter 6. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

DRAWINGS

NAVAL SEA SYSTEMS COMMAND (CAGE Code 53711)

6915096	Liner, Copper
6915095	Liner, Nylon Pad
8179187	Demolition Charge Case Packaging Assembly
8179202	Body
8179203	Sleeve
8179204	Cap
8179205	Adapter
8179206	Adapter Nut
8179252	Detonator Retainer (Bag of Six)
8179260	EOD Refill Kit (Case, Demolition Charge)

(Application for copies of drawings should be addressed to: Commander, Naval Explosive Ordnance Disposal Technology Division, Indian Head, MD 20640-5070.)

2.3 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are those listed in the issue of the DODISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.2).

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)/AMERICAN SOCIETY FOR QUALITY CONTROL (ASQC)

ANSI/ASQC Z1.4	Sampling Procedures and Tables for Inspection by Attributes (DoD adopted)
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(DoD activities may obtain copies from the Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094. The private sector and other Government agencies may purchase copies from the American Society for Quality Control, P. O. Box 3005, 611 E. Wisconsin Avenue, Milwaukee, WI 53201-4606.)

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM B152	Standard Specification for Copper Sheet, Strip, Plate, and Rolled Bar
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ASTM D1784	Rigid Poly (Vinyl Chloride) (PVC) Compounds and chlorinated Poly (Vinyl Chloride) (CPVC) Compounds
ASTM D4066	Standard Classification System for Nylon Injection and Extrusion Materials (PA)
ASTM D6100	Extruded, Compression Molded and Injection Molded Acetal Shape

(Application for copies should be addressed to the American Society for Testing and Materials, 100 Barr Harbor Dr., West Conshohocken, PA 19428-2959.)

2.4 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 First article. When specified (see 6.2), a sample of three case assemblies or three kits shall be subjected to first article inspection (see 6.3) in accordance with 4.2. The sample shall be manufactured using the same methods, materials, processes, and procedures proposed for production. Any production of the item prior to acceptance of first article samples without authorization by the contracting agency shall be at the risk of the contractor.

3.2 Material and components. Materials and components shall be as specified herein and on applicable drawings. Materials not definitely specified shall be of the quality normally used by the manufacturer in his case assembly or kit, provided the complete item complies with all provisions of this specification.

3.3 Design and construction. The case assembly and kit shall be in accordance with the design and dimensions shown on Drawings 8179187 and 8179260 and as given in Table I.

3.4 Leakage (M101). The assembled body, sleeve, cap and o-ring shall show no evidence of water leakage greater than 10.00 grams when tested in accordance with 4.5. A assembled weight increase of greater than 10.00 grams shall be cause for rejection. All external water shall be removed prior to weighing.

4. VERIFICATION

4.1 Classification of inspections. The inspection requirements specified herein are classified as follows:

- a. First article inspection (see 4.2).
- b. Quality conformance inspection (see 4.3).

4.2 First article inspection. When a first article is required (see 3.1), the sample shall be examined as specified in 4.4. The presence of any defect or failure of any test shall be cause for rejection of the first article.

4.3 Quality conformance inspection. Each lot of case assemblies and kits shall be sampled randomly in accordance with ANSI/ASQC Z1.4 and tested for quality conformance as specified in 4.4. The sample size shall be three case assemblies or three kits. Any sample item which fails to meet the requirements specified shall cause rejection of the production lot.

4.3.1 Lot. A lot shall consist of 8 to 80 case assemblies or kits produced in a single production run and offered for acceptance at one time.

4.4 Visual and Physical inspection. The end item shall be visually and physically examined for defects listed in Table I.

TABLE I Inspection plan

Examine	Defects	Classification	
		Critical	Major
Demolition Charge Case Packaging Assembly or EOD Refill Kit (Case, Demolition Charge)			
8179187 or 8179260	Marking missing, illegible or incorrect		
	Components missing or improperly packaged or assembled		
	Component free of dirt, oil, moisture or other foreign matter		X
	Container materials incorrect		
	packaging materials incorrect		
Body			
8179202	Material incorrect (material certification required)		X
	Component free of dirt, oil, moisture or other foreign matter		X
	Diameters not concentric		X
	Incorrect dimensions and threads		
	O-ring groove on body incorrect		
Sleeve			
8179203	Material incorrect (material certification required)		X
	Component free of dirt, oil, moisture or other foreign matter		X
	Diameters not concentric		X
	Incorrect dimensions		
Cap			
8179204	Material incorrect (material certification required)		X
	Component free of dirt, oil, moisture or other foreign matter		X
	Diameters not concentric		X
	Incorrect 0.562-12 UNC-2B thread		X
	Incorrect 2.125 diameter		X
	Cap membrane incorrect (0.030+/-0.010)		X
	Incorrect dimensions and threads		
Packing, preformed (O-ring)			
AMS 7264 AS568-135	O-ring not to specification		
	O-ring Cut or cracked		
Body, Sleeve, Cap and O-ring			
8179202, 8179203, 8179204 and AMS 7264 AS568-135 (O-ring)	Case assembly fails leak test		X

TABLE I Inspection plan (cont'd)

Examine	Defects	Classification	
		Critical	Major
Adapter			
8179205	Material incorrect (material certification required)		X
	Component free of dirt, oil, moisture or other foreign matter		X
	Incorrect dimensions and threads		
	.250 hole not centered		
Adapter Nut			
8179206	Material incorrect (material certification required)		X
	Component free of dirt, oil, moisture or other foreign matter		X
	Incorrect dimensions and threads		
Liner, Copper			
6915096	Materials incorrect (material certification required)		X
	Components free of dirt, oil, moisture or other foreign matter		X
	Incorrect dimensions		
	Radius of arc incorrect		X
	Liner split or cracked		
Liner, Nylon Pad			
6915095	Materials incorrect (material certification required)		X
	Components free of dirt, oil, moisture or other foreign matter		X
	Incorrect dimensions		
	Radius of arc incorrect		X
	Liner split or cracked		
Detonator Retainer (Bag of Six)			
8179252	Material incorrect (material certification required)		X
	Components free of dirt, oil, moisture or other foreign matter		X
	Incorrect dimensions		

4.5 Leakage test. Remove cap, drawing 8179204, from body, drawing 8179202. Lubricate O-ring with silicone compound per SAE-AS8660 and place O-ring in 0.140 O-ring groove on body. Thread cap to body and hand tighten the assembly. The assembled cap, sleeve, body and O-ring shall be subjected to an external water pressure of $31 \pm 0.0/-3.0$ pounds per square inch (psi) minimum for a minimum of 30 minutes. Water temperature shall be 70 to 80 degrees F. Defective are case assembly failing to meet the requirements of 3.4.

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2, and 6.4). When actual packaging of material is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. The case assembly and kit intended for use to neutralize underwater limpet mines without causing mass detonation.

6.2 Acquisition requirements. Acquisition documents must specify the following:

- a. Title, number, and date of this specification.
- b. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.2 and 2.3).
- c. First article sample, if applicable, and test facility where sample is to be shipped for evaluation (see 3.1 and 4.2).
- d. Quality conformance inspection sample size if other than as specified (see 4.3).
- e. Packaging requirements (see 5.1 and 6.4).

6.3 First article. When first article inspection is required, the contracting officer should provide specific guidance to offerors whether the item(s) should be a pre-production sample, a first article sample, a first production item, a sample selected from the first production items, or a standard production item from the contractor's current inventory (see 3.1), and the number of items to be tested as specified in 4.2. The contracting officer should also include specific instructions in acquisition documents regarding arrangements for examinations, approval of first article test results, and disposition of first articles. Invitations for bids should provide that the Government reserves the right to waive the requirement for samples for first article inspection to those bidders offering a product which has been previously acquired

WS 34035

or tested by the Government, and that bidders offering such products, who wish to rely on such production or test, must furnish evidence with the bid that prior Government approval is presently appropriate for the pending contract. Bidders should not submit alternate bids unless specifically requested to do so in the solicitation.

6.4 Packaging. The case assembly and kit shall be packaged in accordance with Drawing 8179187 and 8179260.

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NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100.
2. EACH (KIT, ASSEMBLY, PACK, TOOL SET, ETC.) SHALL INCLUDE A MATERIAL SAFETY DATA SHEET (MSDS) FOR ALL HAZARDOUS MATERIAL(S) IN ACCORDANCE WITH FED-STD-313 AND THE CODE OF FEDERAL REGULATION 29 PART 1910.1200. MSDS SHALL BE PLACED INTERNALLY AT THE TOP OF EACH PACKAGED ITEM FOR EASY ACCESS.
3. EACH SHIPPING DOCUMENT (FORM DD 250) SHALL INCLUDE AS AN ATTACHMENT A MATERIAL SAFETY DATA SHEET (MSDS) FOR ALL HAZARDOUS MATERIAL(S) IN ACCORDANCE WITH FED-STD-313 AND CODE OF FEDERAL REGULATION 29 PART 1910.1200.

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FOR OFFICIAL USE ONLY

8179187	8179186	6915179	6915179	6914757	6914757	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. FRACTIONS +/- 2 PLACE DECIMALS +/- 3 PLACE DECIMALS +/- MATERIAL:	NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY CENTER INDIAN HEAD, MD 20640 PREP HAMMETT 940330 CHK JWG GRAY 940503 ENGR KAUFFELD 940503 O.A. SG VALL 940503	APPROVED FOR NAVSEA K.R. PLUMADORE 940505	DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20382	MATERIAL SAFETY DATA SHEET (MSDS) REQUIREMENTS	SIZE	CODE IDENT NO	NAVSEA DWG NO
6914559	6914559	6915178	6915178	5762114	5206435						C	53711	5761994
6915256	6915256	6915177	6915177	5761996	6914757								
6915255	6915255	6915176	6915176	5761918	5761860								
6915253	6915253	6915175	6915175	5761860	5761860								
6915245	6915245	6915174	6915174	5206435	5206435								
6915235	6915235	6915046	6915046	5012858	5012858								
6915107	6915107	6915263	6915263	3208312	3208312								
6915089	6915089	6915001	6915001	3029201	3029201								
6915180	6915180	6915000	6915000	2128447	2128447								
NEXT ASSY	USED ON	NEXT ASSY	USED ON	NEXT ASSY	USED ON								
APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS								

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-2101)	
CRITICAL-	NONE
MAJOR-	NONE
MINOR-	ALL

REVISIONS		
LTR	DESCRIPTION	DATE
A	SEE NOR 5761994-A	960802
B	SEE NOR 5761994-B	010314
C	SEE NOR 5761994-C	030227
D	SEE NOR 5761994-D	070801
E	SEE NOR 5761994-E	070802

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED

4

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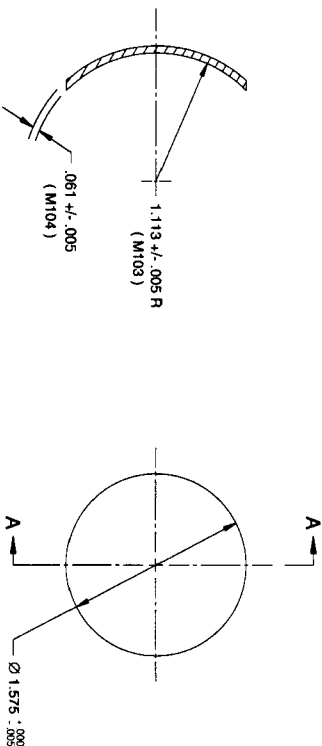
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	SEE NOR 6915096-A	030906	CRY
B	SEE NOR 6915096-B	050802	CRY

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.

2. ALL SURFACES SHALL BE FREE OF ALL CONTAMINANTS SUCH AS CORROSION, DIRT, OIL, MOISTURE AND OTHER FOREIGN MATERIAL.

3. UNLESS OTHERWISE SPECIFIED:
ALL BURRS SHALL BE REMOVED AND SHARP EDGES
BROKEN .005 - .010.
SURFACE TEXTURE SHALL BE 125/.

(M102)  ITEM SHALL BE FABRICATED FROM COPPER PLATE, C11000, .H00 (1 / 8 HARD) IN ACCORDANCE WITH ASTM B152 MATERIAL CERTIFICATION REQUIRED UNLESS OTHERWISE SPECIFIED.



CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED

DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D. C. 20386-5107					
LINEAR COPPER					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ANGLES +/- FRACTIONS +/- DECIMALS +/- 3 PLACE DECIMALS +/- MATERIAL:					
APPROVED FOR NAVSEA: ROBERT C. KAPURDIA 991222					
SIZE CODE IDENT NO D 53711		NAVSEA DWG NO 6615096			
SCALE: 2/1		SHEET 1 OF 1			

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PROCEEDINGS IN DOE 5050.220 INDUSTRIAL SECURITY MANUAL CHAPTER 7, SECTION 7.01, DOE 5050.1, INFORMATION SECURITY PROGRAM REGULATION CHAPTER 8, FORN DISSEMINATED, LIMITED DISSEMINATION OF CONTENT OF THIS DOCUMENT AND ALL PRESENT DOCUMENTS OF CONTENT OF THIS DOCUMENT AND ALL PRESENT DOCUMENTS.

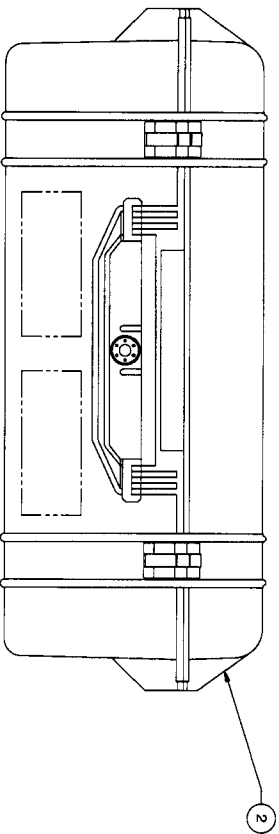
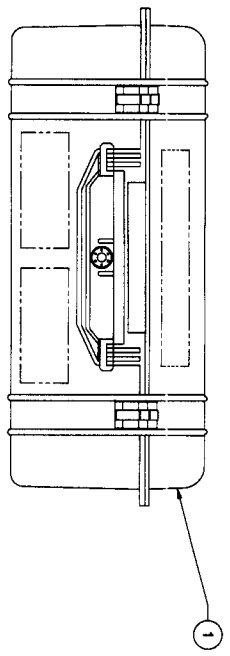
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CLASSIFICATION OF CHARACTERISTICS (DDO-STD-210)	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL

REVISIONS		DATE	APPROVED
1			
2			
3			
4			
5			
6			
7			
8			

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED

- NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.
 2. FOR DRAWING TREE SEE DRAWING 8179259.
 3. REFERENCE: FOR REPLACEMENT OF DEMOLITION CHARGE CASE PACKAGING ASSEMBLY, FIND NO. 1, CONSUMABLE ITEMS SEE DRAWING 8179280.



PARTS LIST		NOMENCLATURE OR DESCRIPTION		MATERIAL OR NOTE	
FIND NO.	QTY	CODE IDENT.	PART NO. OR IDENT. NO.	SPECIFICATION	
2	1		8179188	ATTACHMENT PACKAGING ASSEMBLY	
1	1		8179187	DEMOLITION CHARGE CASE PACKAGING ASSEMBLY	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		NAVAL EXPLOSIVE ORGANIC DIVISION TECHNOLOGY DIVISION 2004-1507 ND		DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, DC 20384-5101	
TOLERANCES/ANGLES FUNCTIONS +/-		PREF 15.00-15.25 15.00-15.25		CASE, DEMOLITION	
2 PLACE DECIMALS 3 PLACE DECIMALS		CHK 15.00-15.25 15.00-15.25		CHARGE, MK 108 MOD 0	
MATERIAL		Q.A. 05-12-22			
		APPROVED FOR NAVSEA		SIZE CODE IDENT NO	
- EOD -				D 53711	
NEXT ASSY USED ON				NAVSEA DWG NO 8179186	
APPLICATION		05-11-21		SCALE 1/2 SHEET 1 OF 1	

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CASE, DEMOLITION CHARGE, MK 108 MOD 0

APPROVED FOR NAVSEA 8179186

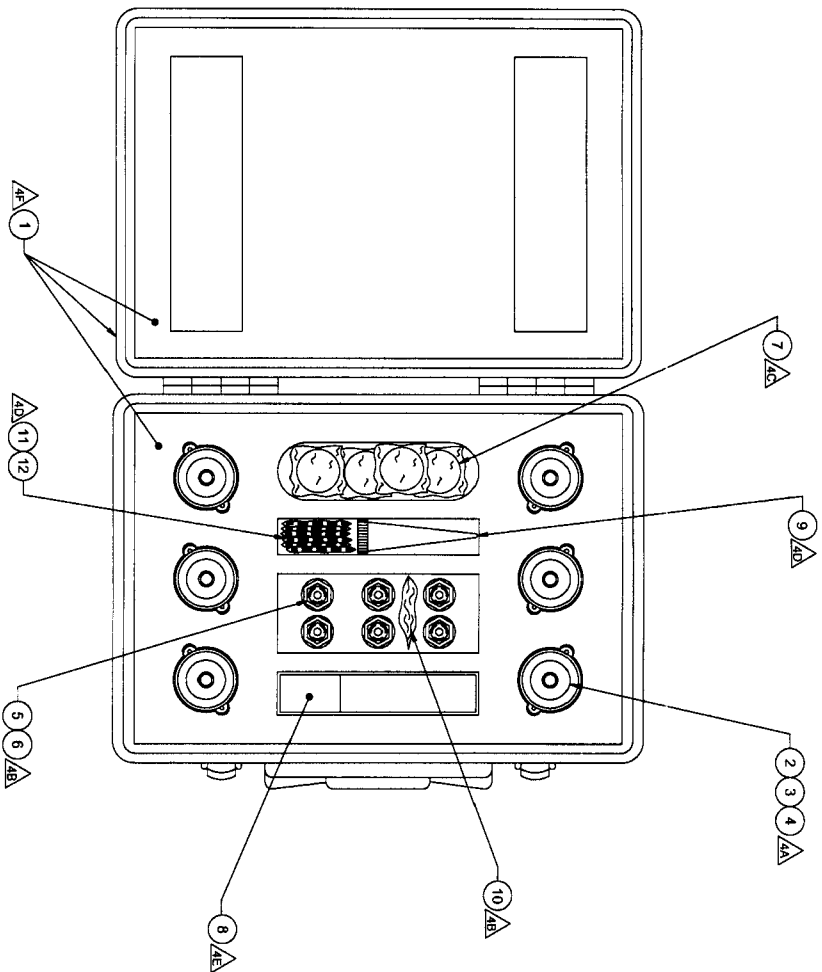
SCALE: 1/2

SHEET 1 OF 1

Page 1 of 2

REVISIONS			DATE	APPROVED
LTN	DESCRIPTION			

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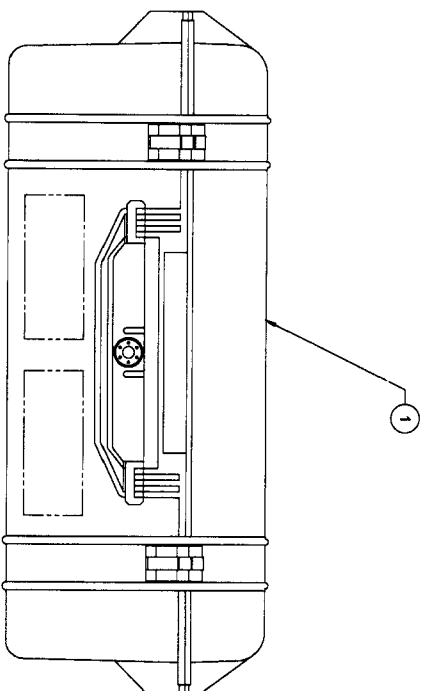
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DEMOLITION CHARGE CASE PACKAGING ASSEMBLY	
SIZE D	CODE IDENT NO 53711
SCALE 1/2	NAVSEA DWG NO 8179187
SHEET 2 OF 2	

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED



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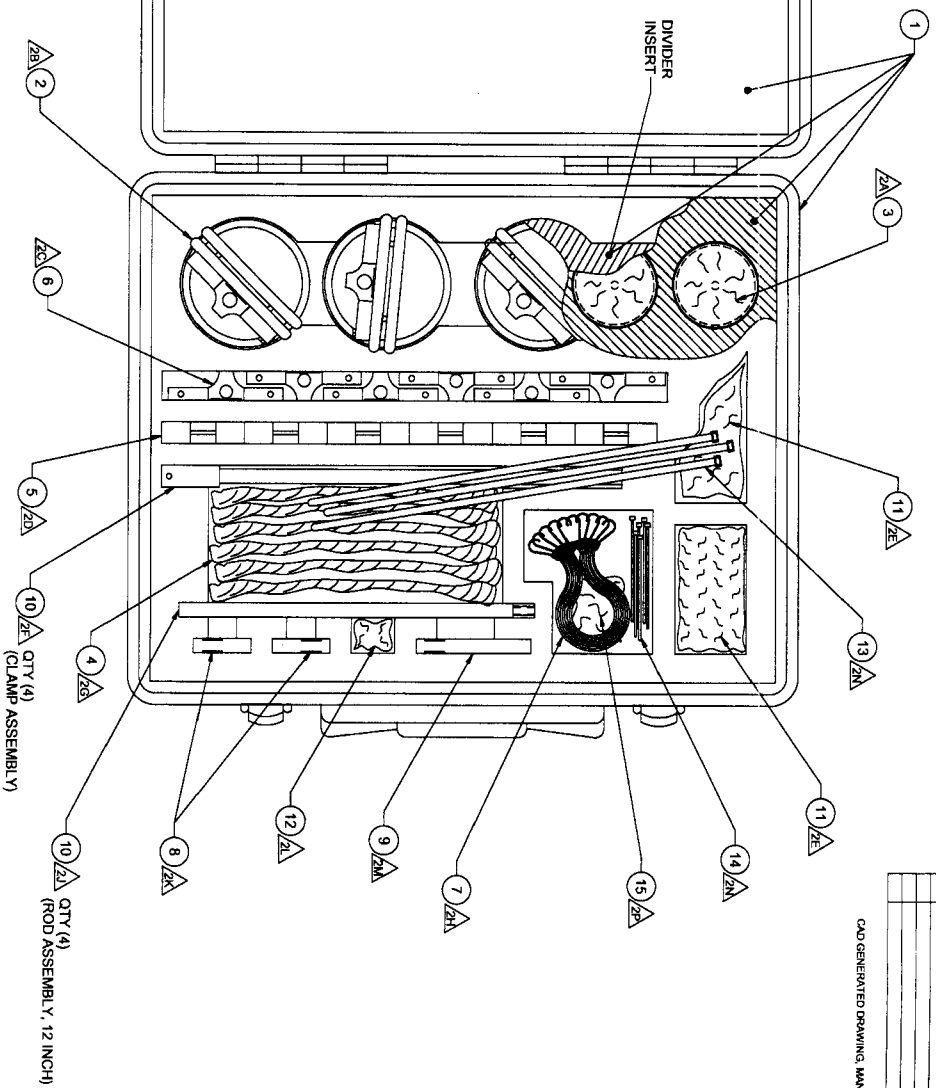
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ATTACHMENT PACKAGING ASSEMBLY		
SIZE	CODE IDENT NO	NAVSEA DRWG NO
D	53711	8179188
SCALE 1/2		SHEET 2 OF 3

REVISIONS			
LT#	DESCRIPTION	DATE	APPROVED

CAD GENERATED DRAWING. MANUAL CHANGES NOT ALLOWED



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FOR OFFICIAL USE ONLY

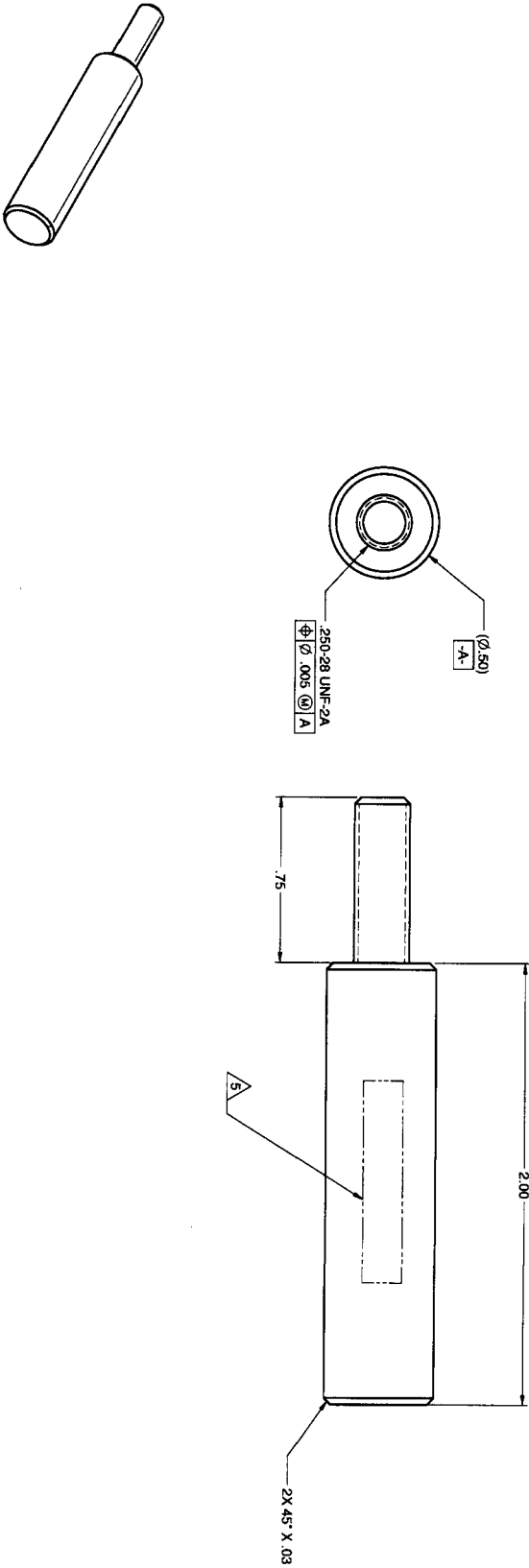
ATTACHMENT PACKAGING ASSEMBLY	
SIZE	CODE IDENT NO
D	53711
SCALE	NAVSEA Dwg NO
1/2	8179188
SHEET 3 OF 3	

CLASSIFICATION OF CHARACTERISTICS (DD FORM 210)	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL

LTN	DESCRIPTION	REVISIONS	DATE	APPROVED

CAD GENERATED DRAWING. MANUAL CHANGES NOT ALLOWED

- NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.
 2. MATERIAL: ALUMINUM 6061-T6511 ROD, Ø.500 ±.005 PER ASTM B221.
 3. UNLESS OTHERWISE SPECIFIED ALL BURS SHALL BE REMOVED AND SHARP EDGES BROKEN .005-.015.
 4. ITEM SHALL BE ANODIZED IN ACCORDANCE WITH MIL-A-8625, TYPE II, CLASS 1.
 5. ITEM SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-130 AS FOLLOWS: 53711-8179189 (APPLICABLE REVISION)



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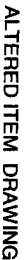
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ±.01 TOLERANCES/ANGLES ±.1°	NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNICAL DIVISION 20040-5070	DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20380-5101
2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.001	PREP: [Signature] CHK: [Signature] O.A. [Signature]	SIZE: D CODE: 53711 SCALE: 1/1
MATERIAL: 2024-T3	APPROVED FOR NAVSEA: [Signature] DATE: 06-11-21	NAVSEA DWG NO: 8179189 SHEET 1 OF 1
APPLICATION: 8179184 USED ON: 8179186		

REVISIONS		
LTR	DESCRIPTION	DATE APPROVED

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.
2. ALTER, DRAWING 8179207, BY DRILLING THRU HOLES AS SHOWN
3. UNLESS OTHERWISE SPECIFIED:
ALL BURRS SHALL BE REMOVED AND SHARP EDGES BROKEN
005-.010.



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[illegible]

4

3

2

1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.

2. ITEM SHALL BE FABRICATED FROM WHITE DELRIN IN ACCORDANCE WITH ASTM D6100.

3. WHEN PROCURED AS A SEPARATE ITEM(S) THE LOADING TOOL SHALL BE PACKAGED IN ACCORDANCE WITH MIL-STD-2073, METHOD 10 FOR PHYSICAL PROTECTION. BOX SHALL BE CLOSE FITTING AND FABRICATED IN ACCORDANCE WITH ASTM D5118, STYLE-RSC, TYPE CF, CLASS WEATHER RESISTANT (WR), GRADE V3c, C-FLUTE. CLOSURE METHOD SHALL BE IN ACCORDANCE WITH ASTM D1974, SEALING METHOD A, USING TAPE IN ACCORDANCE WITH A-A-1671, TYPE 1, CLASS 2, STYLE 2, WIDTH OPTIONAL.

4. WHEN PROCURED AS A SEPARATE ITEM(S) THE PACKAGED ITEM SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 AS FOLLOWS: (USE .25 LETTERING MINIMUM)

NSN:

53711 - 8179191

LOADING TOOL

1 EACH

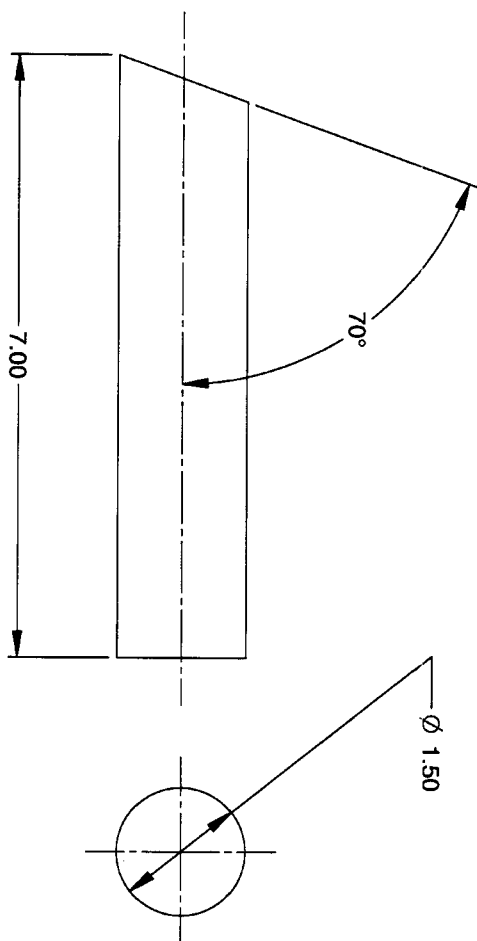
B (MO./YR.) WEIGHT CU. FT.

5. WHEN PURCHASED AS A SEPARATE ITEM(S) BAR CODE IN ACCORDANCE WITH MIL-STD-129.

CLASSIFICATION OF CHARACTERISTICS (DDO-STD-2101)	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL

REVISIONS		
LTR	DESCRIPTION	DATE

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED



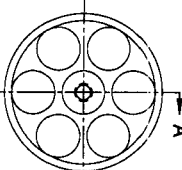
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TOLERANCES: ANGLES	+/- 1°	PREP	05-12-20	LOADING TOOL	
FRACTIONS +/-		CHK	05-12-20		
2 PLACE DECIMALS	+/- .06	ENGR	05-12-20		
3 PLACE DECIMALS	+/-	Q.A.	05-12-20		
MATERIAL:		APPROVED FOR NAVSEA		SIZE	
8179187		8179186		CODE IDENT NO	
NEXT ASSY		USED ON		NAVSEA DWG NO	
APPLICATIONS				8179191	
3		2		SCALE: 1:1	
4		1		SHEET 1 OF 1	

[illegible]

VENDOR ITEM CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.		NAVAL EXPT CODE		DRAWING OF THE NAVY	
TO FINANCES AND/OR		ORGANIC DIVISION		NAVAL SEA SYSTEMS COMMAND	
FRACTIONS +/-		20040-5070		WASHINGTON, D. C. 20380-5010	
2 PLACE DECIMALS +/- .03		PRTY <i>244</i>		DATE <i>18-12-86</i>	
3 PLACE DECIMALS		ENR <i>161</i>		REV <i>02-86</i>	
MATERIAL		Q.A. <i>161</i>		Q.A. <i>161</i>	
APPLICATION		APPROVED FOR NAVSEA		SCALE 1:1	
NEXT ASSY USED ON		SIZE		CODE IDENT NO	
8170188		D		53711	
8170188		NAVSEA Dwg NO		8170193	
		SHEET 1 OF 1			

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CLASSIFICATION OF CHARACTERISTICS (DD-STD-210)

CRITICAL	NONE
MAJOR	NONE
MINOR	ALL

LETTER	REVISIONS		DATE	APPROVED
	DESCRIPTION			
SHEET 1 OF 2				

7. WHEN PROCURED AS A SEPARATE ITEM THE PACKAGED BOX SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 AS FOLLOWS:
(USE .25 LETTERING MINIMUM)

NSN: 63711 - 8179194
FLEXIBLE ARM ASSEMBLY
1 EACH
B (IMO/YR)
WEIGHT
CU. FT.

8. WHEN PURCHASED AS A SEPARATE ITEM(S) BAR CODE IN ACCORDANCE WITH MIL-STD-129.

3. REQUIREMENTS:

- A. FLEXIBLE ARM, FIND NO. 1, SHALL HAVE 14 BALLS AND SOCKETS AND WHEN FLEXED CAN TURN A 2.50 DIAMETER CIRCLE.
- B. ARM SHALL HAVE A BLACK OXIDE FINISH.
- C. ARM SHALL HAVE CAM ACTION LOCKING, AND NO MOVEMENT WHEN LOCKED.
- D. ARM SHALL SUPPORT A 3 POUND PAYLOAD.

4. ALTERATION:

UNSCREW TURNSCREW AND DISCARD VCLAMP PORTION OF FLEXIBLE ARM, FIND NO. 1, SUBSTITUTE WITH POST, FIND NO. 2, AND SECURE BY REPLACING TURNSCREW AS SHOWN.

5. WRAP EACH ALTERED FLEXIBLE ARM ASSEMBLY IN AN 18.00 X 18.00 SHEET OF BARRIER MATERIAL, FIND NO. 3, MOLD AND KNEAD BARRIER MATERIAL TO CONFORM TO THE CONFIGURATION OF THE FLEXIBLE ARM ASSEMBLY AS SHOWN.

6. WHEN PROCURED AS A SEPARATE ITEM(S) THE FLEXIBLE ARM ASSEMBLY SHALL BE PACKAGED IN ACCORDANCE WITH MIL-STD-2073 METHOD 10 FOR PHYSICAL PROTECTION. BOX SHALL BE CLOSE FITTING AND FABRICATED IN ACCORDANCE WITH ASTM D6118, STYLE RSC, TYPE OF CLASS WEATHER RESISTANT (WR), GRADE V3, C-FILUE, CLOSURE METHOD SHALL BE IN ACCORDANCE WITH ASTM D1974, SEALING METHOD A, USING TAPE IN ACCORDANCE WITH A-A-1671, TYPE 1, CLASS 2, STYLE 2, WIDTH OPTIONAL.

ALTERED ITEM DRAWING

3	AR	TYPE 1, GRADE C, CLASS 2	MIL-B-121	BARRIER MATERIAL, GREASEPROOFED, WATERPROOFED, FLEXIBLE	5
2	1	8179189		POST	6
1	1	39428	23165A76	FLEXIBLE ARM	7
FIND NO.	QTY.	CODE	PART NO. OR IDENT. NO.	SPECIFICATION NO.	8
RECD.	IDENT.				
PARTS LIST					
UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
DECIMALS					
3 PLACE DECIMALS					
3 PLACE DECIMALS					
MATERIAL					
UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
DECIMALS					
3 PLACE DECIMALS					
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DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
DECIMALS					
3 PLACE DECIMALS					
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MATERIAL					
UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
DECIMALS					
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TOLERANCES/ANGLES					
FRACTIONS					
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UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
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DIMENSIONS ARE IN INCHES					
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FRACTIONS					
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DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
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MATERIAL					
UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
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MATERIAL					
UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
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MATERIAL					
UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
DECIMALS					
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TOLERANCES/ANGLES					
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DIMENSIONS ARE IN INCHES					
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DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
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UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
DECIMALS					
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MATERIAL					
UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
DECIMALS					
3 PLACE DECIMALS					
3 PLACE DECIMALS					
MATERIAL					
UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES/ANGLES					
FRACTIONS					
DECIMALS					

CLASSIFICATION OF CHARACTERISTICS (DD-STD-210)	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL

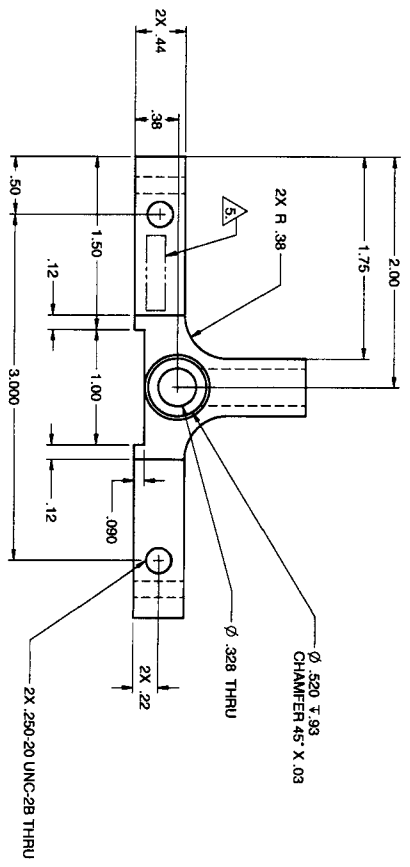
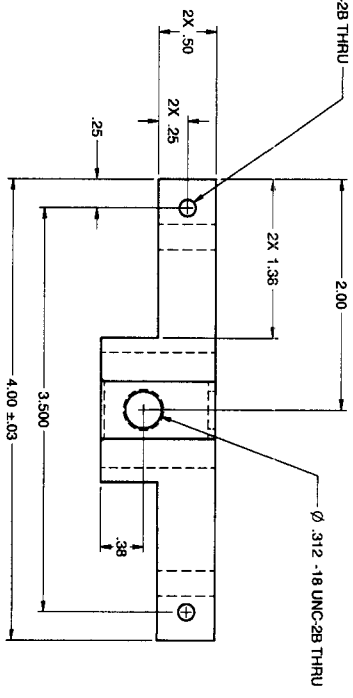
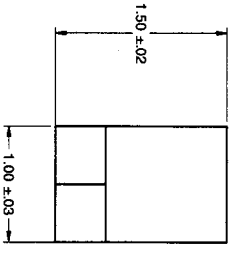
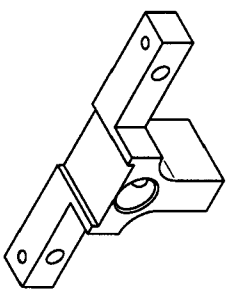
REVISIONS		DATE	APPROVED
1			
2			

CAD GENERATED DRAWING. MANUAL CHANGES NOT ALLOWED

- NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.
 2. MATERIAL: ALUMINUM 6061-T6S11 PER ASTM B221.
 3. UNLESS OTHERWISE SPECIFIED ALL BURRS SHALL BE REMOVED AND SHARP EDGES BROKEN .005-.015.
 4. ITEM SHALL BE ANODIZED IN ACCORDANCE WITH MIL-A-8625, TYPE II, CLASS 1.
 5. MARK ITEM IN ACCORDANCE WITH MIL-STD-130 AS FOLLOWS: 53711-8179196. (APPLICABLE REVISION).
 6. WHEN PROCURED AS A SEPARATE ITEM(S), THE ROD MOUNT SHALL BE PACKAGED IN ACCORDANCE WITH MIL-STD-2073, METHOD 10 FOR PHYSICAL PROTECTION. BOX SHALL BE CLOSE FITTING AND FABRICATED IN ACCORDANCE WITH ASTM-D-5118, STYLE-RSG, TYPE CF, CLASS WEATHER RESISTANT (WR), GRADE V3C, C-FLUTE. CLOSURE METHOD SHALL BE IN ACCORDANCE WITH ASTM-D-1974, SEALING METHOD A, USING TAPE IN ACCORDANCE WITH A-A-1671, TYPE 1, CLASS 2, STYLE 2, WIDTH OPTIONAL.
 7. WHEN PROCURED AS A SEPARATE ITEM THE PACKAGED BOX SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 AS FOLLOWS: (USE 25 LETTERING MINIMUM)

NSN: 53711-8179196
ROD MOUNT
1 EACH
B (NO. OF) CU. FT.
WEIGHT

8. WHEN PROCURED AS A SEPARATE ITEM(S) BAR CODE IN ACCORDANCE WITH MIL-STD-129.



WARNING: THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE 22, U.S.C., SEC 2551, a) sec 1) OF THE EXPORT ADMINISTRATION ACT (TITLE 50, U.S.C., SEC 1551, a) sec 1) AND U.S.C. 1830. IT IS UNLAWFUL TO REPRODUCE, TRANSMIT, OR DISSEMINATE THIS INFORMATION TO ANY OTHER PERSON OR ENTITY WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE SECRETARY OF DEFENSE. VIOLATION OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL PENALTIES DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF DDG DIRECTIVE 6290.25.

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.		TOLERANCES/ANGLES		FRACTIONS		DECIMALS		ANGLES		MATERIAL		PREP		BRK		Q.A.		APPROVED FOR NAWSEA		SIZE		CODE		RENT NO		NAWSEA DWG NO		SHEET	
± .01		± .005		± .01		± .005		± .005		ALUMINUM 6061-T6S11		2000-5207		65-72-42		65-72-20		65-72-21		Jung A. Suba		D		53711		8179196		1	
± .01		± .005		± .01		± .005		± .005		ALUMINUM 6061-T6S11		2000-5207		65-72-42		65-72-20		65-72-21		Jung A. Suba		D		53711		8179196		1	
± .01		± .005		± .01		± .005		± .005		ALUMINUM 6061-T6S11		2000-5207		65-72-42		65-72-20		65-72-21		Jung A. Suba		D		53711		8179196		1	

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-2101)	
CRITICAL -	NONE
MAJOR -	NONE
MINOR -	ALL

CLASSIFICATION OF CHARACTERISTICS (DDO-STD-2101)	
CRITICAL	NONE
HAZARDOUS	NONE
MINOR	ALL

REVISIONS		DATE	APPROVED
LTR	DESCRIPTION		

AND GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.
2. MATERIAL: ALUMINUM 6061-T6511 ROD PER ASTM B221.

3. UNLESS OTHERWISE SPECIFIED ALL BURS SHALL BE REMOVED AND SHARP EDGES BROKEN .005-.015.

4. ITEM SHALL BE ANODIZED IN ACCORDANCE WITH MIL-A-8625, TYPE II, CLASS 1.

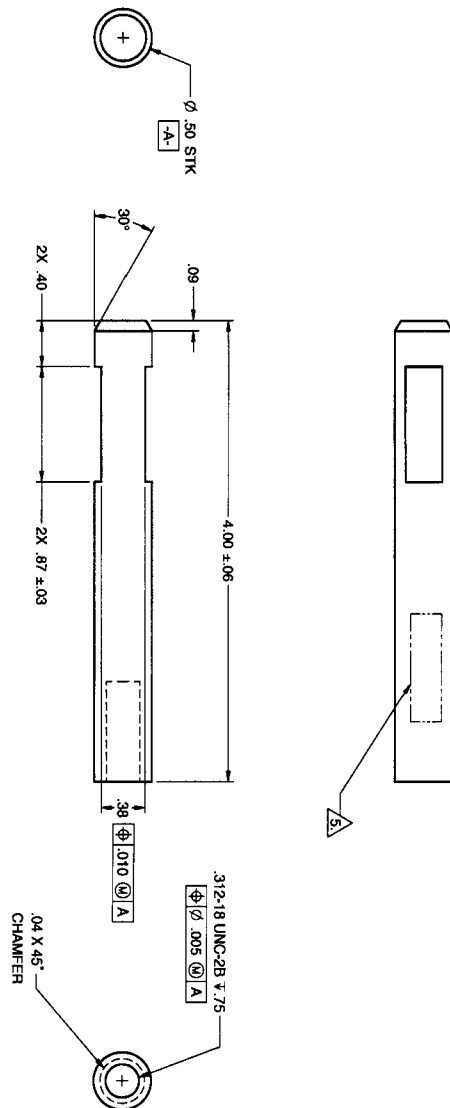
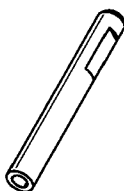
5. MARK ITEM IN ACCORDANCE WITH MIL-STD-130 AS FOLLOWS:
53711-8179199-4(APPLICABLE REVISION).

6. WHEN PROCURED AS A SEPARATE ITEM(S), THE 4 INCH ROD SHALL BE PACKAGED IN ACCORDANCE WITH MIL-STD-2073, METHOD 10 FOR PHYSICAL PROTECTION. BOX SHALL BE CLOSE FITTING AND FABRICATED IN ACCORDANCE WITH ASTM-D-5118, STYLE-RSC, TYPE CF, CLASS WEATHER RESISTANT (WR), GRADE V36, C-FLUTE. CLOSURE METHOD SHALL BE IN ACCORDANCE WITH ASTM-D-1974, SEALING METHOD A, USING TAPE IN ACCORDANCE WITH A-A-1671, TYPE 1, CLASS 2, STYLE 2, WIDTH OPTIONAL.

7. WHEN PROCURED AS A SEPARATE ITEM THE PACKAGED BOX SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 AS FOLLOWS: (USE .25 LETTERING MINIMUM)

NSN: 53711-8179199
4 INCH ROD
1 EACH
B (MO/YR) CU. FT.
WEIGHT

6. WHEN PROCURED AS A SEPARATE ITEM(S) BAR CODE IN ACCORDANCE WITH MIL-STD-129.



WARNING - THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE 28, U.S.C. 1792) AND THE INTERNATIONAL TRADE AND ECONOMIC COORDINATION ACT (TITLE 50, U.S.C. 1552). VIOLATIONS OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL PENALTIES DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF DDG DIRECTIVE 5299.25.

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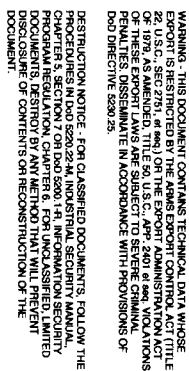
DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOD CONTRACTORS ONLY. SPECIFIC AUTHORITY: 19 MAY 06. OTHER REQUESTS SHALL BE REFERRED TO NAVAL EXPLOSIVE ORDNANCE DISPOSAL, TECHNOLOGY DIVISION, INDIAN HEAD, MARYLAND 20640.

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION INDIAN HEAD, MD 20640-5070	DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20380-3101
TOLERANCES ANGLES ± 1/2°	PRIOR 2004-07-20	4 INCH ROD
2 PLACE DECIMALS ± .01	CHK 2004-07-20	
3 PLACE DECIMALS ± .001	ENG 2004-07-20	
MATERIAL	Q.A. 2004-07-20	
APPROVED OR MANSEA	DATE 06-11-21	SIZE CODE IDENT NO 53711
SCALE 2/1		NAVALSEA DWG NO 8179199
		SHEET 1 OF 1

[illegible]

- McMASTER-CARR SUPPLY COMPANY**
600 COUNTRY LINE ROAD
ELMHURST, IL 60126-2081
(732) 329-3200



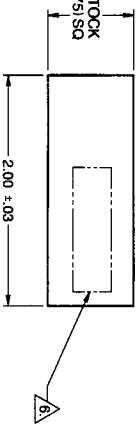
DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOD CONTRACTORS ONLY. SPECIFIC AUTHORITY: 18 MAY 06. OTHER REQUEST SHALL BE REFERRED TO NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIAN HEAD, MARYLAND 20646

FIND NO.	QTY.	CODE	PART NO. OR IDENT. NO.	SPECIFICATION NO.	NAME, QUANTITY OR DESCRIPTION	MATERIAL OR NOTE
3	AR		39428	91458A11	LOCITE, THREAD LOCK	5. A.
2	1		39428	95412A585	STUD, THREADS (312-18 UNC-2A)	5. A.
1	1		8178200-2		12 INCH ROD	5.

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A horizontal number line with tick marks labeled 1 through 8. A triangle points to the number 5.

7. AFTER ASSEMBLY OF ROD, FIND NO.1, INTO CLAMP, FIND NO.2, WELD AS SHOWN IN ACCORDANCE WITH AWS 17.1.



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DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOD CONTRACTORS ONLY. SPECIFIC AUTHORITY: 19 MAY 05. OTHER REQUEST SHALL BE REFERRED TO NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIAN HEAD, MARYLAND 20640

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CLASSIFICATION OF CHARACTERISTICS (DD-STD-210)	
CRITICAL	NONE
MAJOR	1
MINOR	ALL OTHERS

LETTER	REVISIONS	DATE	APPROVED
SHT 2	SHT 1		

- NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.
 2. MATERIAL: PVC, BLACK
SPEC FOR MACHINING: 12454-B (TYPE 1, GRADE 1), ASTM D-1784.
SPEC FOR MOLDING: GEON M3900 (RIGID PVC) W/BLACK COLOR.
 3. UNLESS OTHERWISE SPECIFIED: PART SHALL BE FREE FROM MOLD FLASHING, CRACKS, POROUS AREAS, AND FOREIGN MATERIALS.
BREAK SHARP EDGES R .02. TRIM GATE FLUSH.
 4. FOR MOLDING, 1 DEGREE MAXIMUM DRAFT PERMISSIBLE ON ALL SURFACES. DRAFT TO BE CONSISTENT WITH MATING PART 8179203.
 5. DIAMETERS TO BE CONCENTRIC WITHIN .010.
 6. FINISH: PART TO BE FREE OF MOLD RELEASE.
 7. ITEM SHALL MEET THE REQUIREMENTS OF DTL WS 34035.

(M100) 5. DIAMETERS TO BE CONCENTRIC WITHIN .010.

6. FINISH: PART TO BE FREE OF MOLD RELEASE.
7. ITEM SHALL MEET THE REQUIREMENTS OF DTL WS 34035.

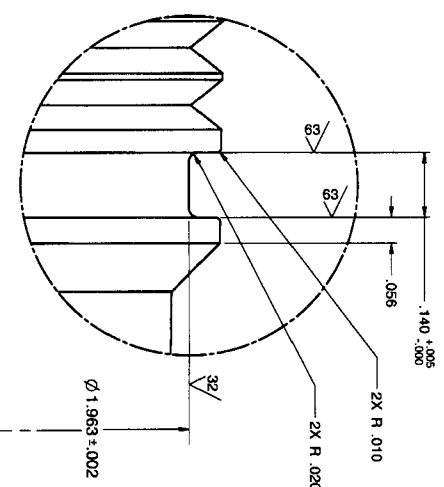
IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE(S) OF SUPPLY

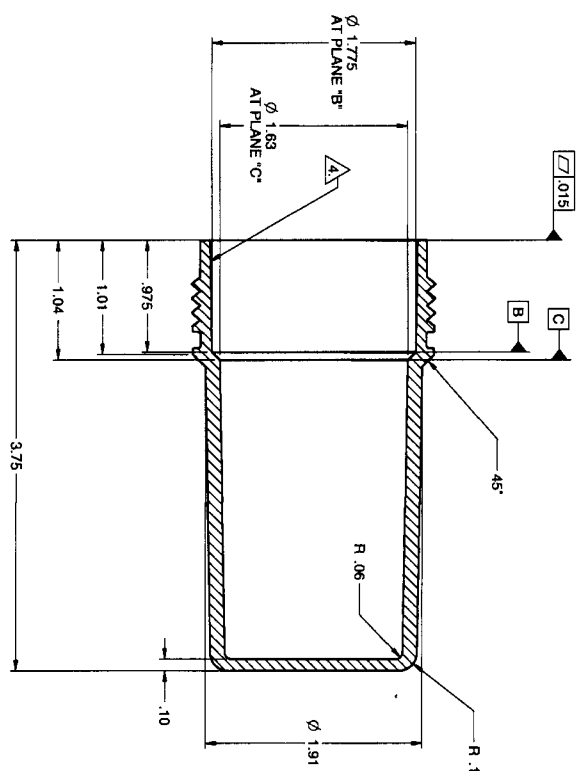
CAGE	PART NUMBER	NAME AND ADDRESS
3N186	3473-01	MONOLO INCORPORATED/ TOTAL MOLDING CONCEPTS 882 BAKER LANE WINCHESTER VA 22603 (540) 665-8408

DETAIL B

SCALE 8:1



SECTION A-A



CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED

VENDOR ITEM CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.		FRACTIONS: ±.01 DECIMALS: ±.005		TOLERANCES: ANGLES ±.12°	
MATERIAL:		PVC, BLACK		SPEC FOR MACHINING: 12454-B (TYPE 1, GRADE 1), ASTM D-1784. SPEC FOR MOLDING: GEON M3900 (RIGID PVC) W/BLACK COLOR.	
DRAWING NO. 8179202		REVISED BY: 10/12/20		DATE: 10/12/20	
APPROVED FOR NAVSEA		SIZE: CODE DENT NO. 53711		NAVAL DIVISION 8179202	
SCALE: 2/1		SHEET 1 OF 2			

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8

7

6

5

4

3

2

1

[illegible]

2. MATERIAL: PVC, BLACK

3. UNLESS OTHERWISE SPECIFIED: PART TO BE FREE FROM MOLD FLASHING,

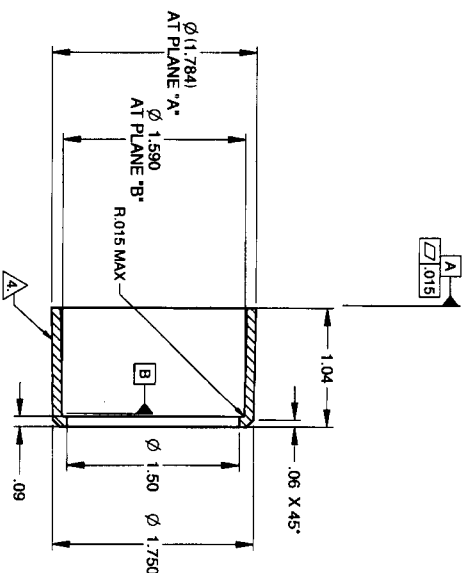
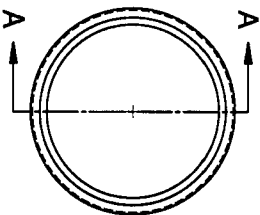
SHARP EDGES R.02. TRIM GATE FLUSH.

4. FOR MOLDINGS, 1 DEGREE MAXIMUM DRAFT PERMISSIBLE ON ALL SURFACES. DRAFT TO BE CONSISTENT WITH MATING PART 8179202

(M101) 5. DIAMETERS TO BE CONCENTRIC WITHIN .010.

6. FINISH: PART TO BE FREE OF MOLD RELEASE.

7. ITEM SHALL MEET THE REQUIREMENTS OF DTL WS 34035.



SECTION A-A

IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE(S) OF SUPPLY			
SUPPLIER DATA			
CAGE	PART NUMBER	NAME AND ADDRESS	
3N186	3473-02	MONOFLO INCORPORATED/ TOTAL SOLUTIONS CONCEPTS 882 BAKER LANE WINCHESTER VA 22603 (540) 865-8408	

WARNING: THIS DOCUMENT CONTAINS TECHNICAL DATA WHICH IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT 1957. IT IS NOT TO BE DISCLOSED TO ANY OTHER PERSON WITHOUT THE WRITTEN AUTHORITY OF THE SECRETARY OF DEFENCE. IT IS TO BE DESTROYED OR DISPOSED OF IN ACCORDANCE WITH PROVISIONS OF DEFECTIVE GOODS ACT 1955.

DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOD CONTRACTORS ONLY. SPECIFIC AUTHORITY: 19 MAY 06. OTHER RESTRICTIONS SHALL BE REFERRED TO NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIAN HEAD, MARYLAND 20640

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[illegible]

VENDOR ITEM CONTROL DRAWING

SLEEVE

SIZE	CODE IDENT NO	NAVSEA DWG NO
D	53711	8179203

[illegible]

- [illegible]

DETAIL B
SCALE: 4:1

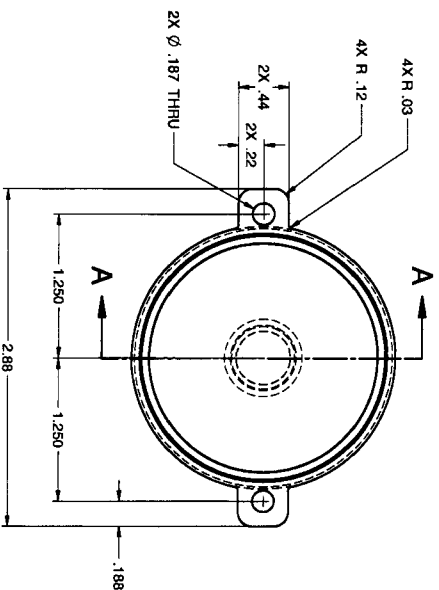
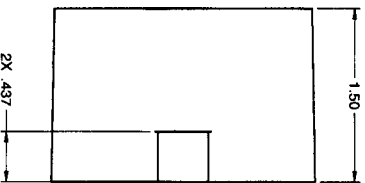
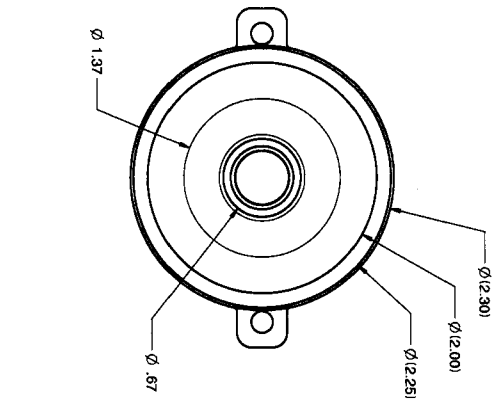
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VENDOR ITEM CONTROL DRAWING

REVISIONS		DATE	APPROVED
LTR	DESCRIPTION		

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED



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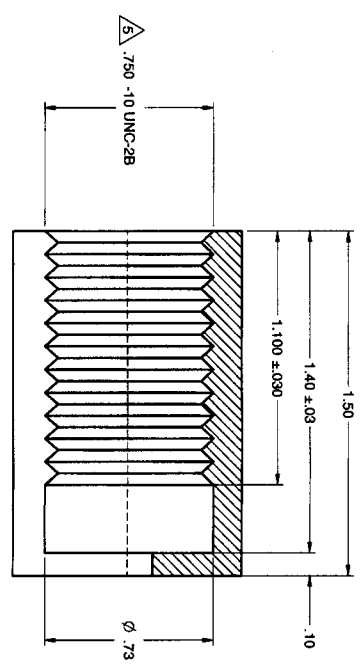
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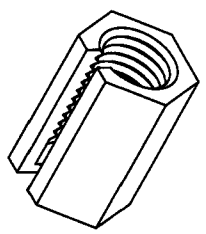
SEE FOUR IDENT NO	NAVSEA DRAWING
D 53711	8179204
SCALE: 2/1	SHEET 2 OF 2

REVISIONS			
L/R#	DESCRIPTION	DATE	APPROVED


-



SECTION A-A



DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND ITS AGENCIES ONLY. SEE STANDARD FORM 298-101 FOR DISPOSITION. OTHER REQUESTS SHALL BE REFERRED TO NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIAN HEAD, MARYLAND 20640.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES						NAVAL EXPLOSIONE ORDNANCE DISPOSITION TECHNICAL DATA CENTER INDIAN HEAD, MD		DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON D.C. 20382-5101	
TOLERANCES=ANGLES	± .01					PREF STANDARD	SIZE	CODE IDENT NO	NAVSEA DWG NO
FUNCTIONS	± .005					C&K 05-12-20	D	53711	8179206
3 PLACE DECIMALS						ENGR 05-12-20	SCALE: 1/1		SHEET 1 OF 1
MATERIAL:						Q A			
						APPROVED FOR RELEASE			
NEXT ASSY USED ON						Jorg J. Decker 05-12-20			

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CLASSIFICATION OF CHARACTERISTICS (DDI-STD-210)	
CRITICAL	NONE
MAJOR	1
MINOR	ALL OTHERS

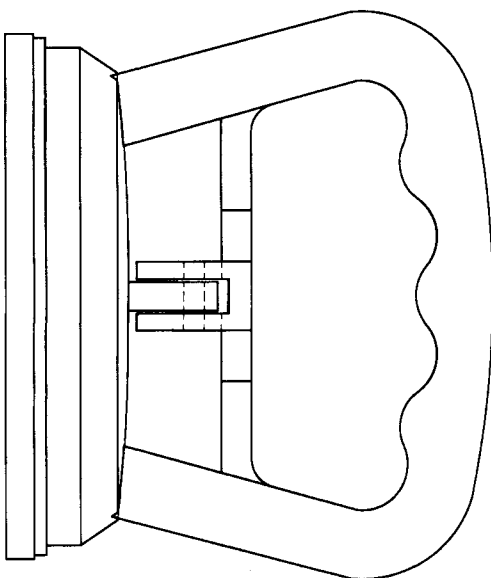
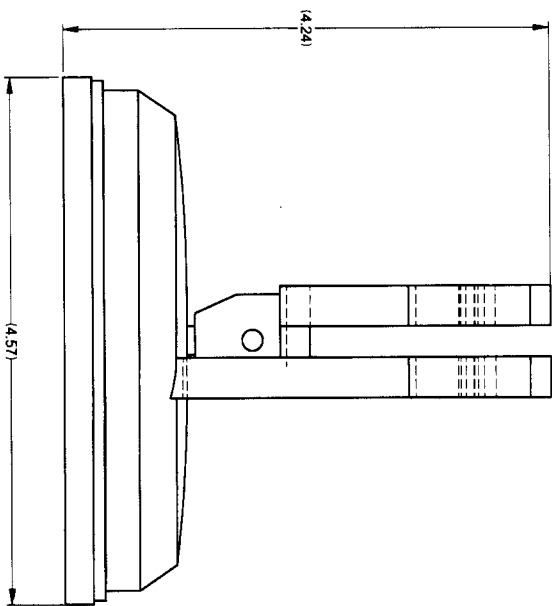
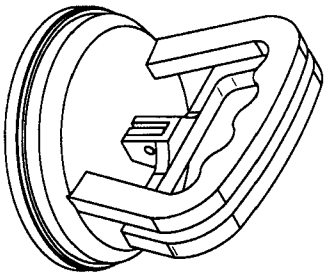
REVISIONS		DATE	APPROVED
LTR	DESCRIPTION		

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.
2. MATERIAL MAY BE PURCHASED FROM THE BELOW VENDOR(S). A SUBSTITUTE ITEM(S) SHALL NOT BE USED WITHOUT PRIOR TESTING AND APPROVAL BY THE NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIANHEAD, MD 20640-5070.

- (M101) 3. ITEM SHALL HAVE A MINIMUM HOLDING FORCE OF 40 LBS. WHEN CENTERED ON A 0.50 +/- 0.02 X 7.00 +/- 0.02 DIAMETER ALUMINUM SHEET AND PULLED AT A RATE OF ONE INCH PER MINUTE PERPENDICULAR TO THE HOLDING PLANE. THE PULL SHALL BE FROM THE CENTER OF THE SUCTION CUP HANDLE. THE PULL SURFACE TEXTURE OF THE ALUMINUM PLATE SHALL BE 63. ITEM SHALL BE CAPABLE OF BEING ACTIVATED WITH ONE HAND OPERATION.



IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE(S) OF SUPPLY	
SUPPLIER DATA	
CAGE PART NUMBER	NAME AND ADDRESS
MIGHTY 40	THE JORDAN GLASS CORP. 14090 SW 139th COURT MIAMI, FL 33186 USA 1-800-333-2159

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APPLICATION	USED ON
8179180	8179186
NEXT ASSY	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES: ANGLES	+
FRACTIONS	+
2 PLACE DECIMALS	+
3 PLACE DECIMALS	+
MATERIAL	

NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION INDIAN HEAD, MD 20640-5070	PREP 2/2/2000 DATE 1/1/2000 Q/A 1/1/2000
--	---

SUCCTION CUP	
APPROVED FOR NAVSEA J. A. Smith 05-10-01	SIZE CODE IDENT NO D 53711
DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20382-5001	MANSEA DRWG NO 8179207

SCALE: 2:1

SHEET 1 OF 1

[illegible]

2. CASE, FIND NO. 1, SHALL BE A PELICAN 1500 MODEL WITH AUTOMATIC PURGE VALVE, ASS LATCHES, AND NEOPRENE CLOSED CELL SEAL. INSIDE DIMENSIONS SHALL BE 17.00 L X 11.44 W X 6.13 D. COLOR BLACK. ITEM MAY BE PURCHASED FROM:

PELICAN PRODUCTS INC.
23215 EARLY AVENUE
TORRANCE, CA 90505-5400
CAGE: 65442
(310) 326-4700

3. INSERT TOP AND BOTTOM. FIND NO.2. SHALL BE PROPERLY PLACED IN CASE, FIND NO.1. INSERT SHALL BE PURCHASED FROM:

WILLARD PACKAGING CO.
18940 WOODFIELD ROAD
GAITHERSBURG, MD 20879-9477
CAGE: 1S230
(301) 948-7700

4. ASSEMBLE AND SECURE FOAM INSERT, FIND NO.2, IN CASE, FIND NO.1, USING MANUFACTURERS RECOMMENDED PROCEDURES.

5. ITEM SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 AS FOLLOWS
(USE .38 HIGH CHARACTERS MINIMUM)

SYSTEM NSN: []
53711 - 8179186
CASE, DEMOLITION CHARGE
MK 108 MOD 0
BOX 1 OF 2

NSN: [] [] [] []
 53711 - 8178208
 CASE AND FOAM ASSEMBLY
 1 EACH
 A/A DATE [] [] [] []
 WEIGHT [] [] [] []
 .7 CU. FT.
 CONTRACT NO. [] [] [] [] [] [] [] []
 BOX 1 CONTAINS:
 NSN: [] [] [] [] NALC: [] [] [] []

6. THE PACKAGING ASSY, FIND NO.1, SHALL BE MARKED LOCATED AS SHOWN, IN .50 MINIMUM LETTERING AS FOLLOWS: "EMPTY DEMOLITION CASES"

7. BAR CODE IN ACCORDANCE WITH MIL-STD-129

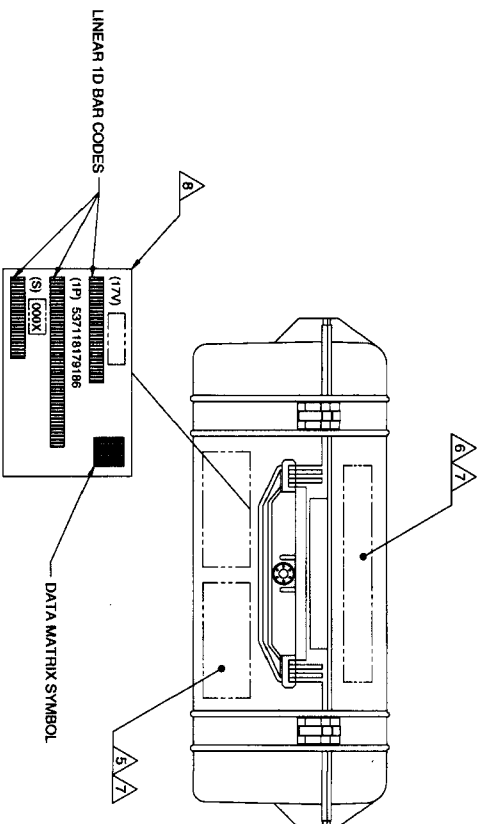
8. CASE, FIND NO. 1, SHALL BE MARKED WITH UNIQUE IDENTIFICATION (UID) USING .25 +/- .03 INCH CHARACTERS IN ACCORDANCE WITH MIL-STD-130. UID CONSTRUCT #2, FORMAT 06, AS SHOWN, MACHINE READABLE INFORMATION (MRI) (BAR CODE/DATA MATRIX) APPLIES.

WARNING: THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE 22, U.S.C. SEC 2571, (a)(2)) OF THE EXPORT ADMINISTRATION ACT OF 1978, AS AMENDED, TITLE 50, U.S.C., APP 2401 (a)(2) VIOLATIONS OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL PENALTIES. DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF POD DIRECTIVE 5230.25.

DESTRUCTION NOTICE - FOR CLASSIFIED DOCUMENTS, FOLLOW THE PROCEDURES IN DoD 5200.224, INDUSTRIAL SECURITY MANUAL, CHAPTER 5, SECTION 7 OR DoD 5200.1-R, INFORMATION SECURITY PROGRAM REGULATION, CHAPTER 6. FOR UNCLASSIFIED, LIMITED DOCUMENTS, DESTROY BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOD CONTRACTORS ONLY. SPECIFIC AUTHORITY: 19 MAY 05. OTHER REQUESTS SHALL BE REFERRED TO NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIAN HEAD, MARYLAND 20688.

FOR OFFICIAL USE ONLY



2	1	(15230)	CD-N-5000		FOAM INSERT (AMT/STATC)	3
1	1	(65442)	1500		CASE	2
FIND NO.	QTY.	CODE	PART NO. OR IDENT. NO.	SPECIFICATION NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE
PARTS LIST						
NAVAL EXPLOSIVE ORDNANCE DISPOSITION TERMINOLOGY DIVISION INVESTIGATOR 20040-5070 401.						
CASE AND FOAM ASSEMBLY						
DRAWING NO. 8179208						
SCALE: 1/2						
SHEET 1 OF 2						

CASE AND FOAM ASSEMBLY

NAVAL SEA SYSTEMS COMMAND
WASHINGTON, D.C. 20362-5101

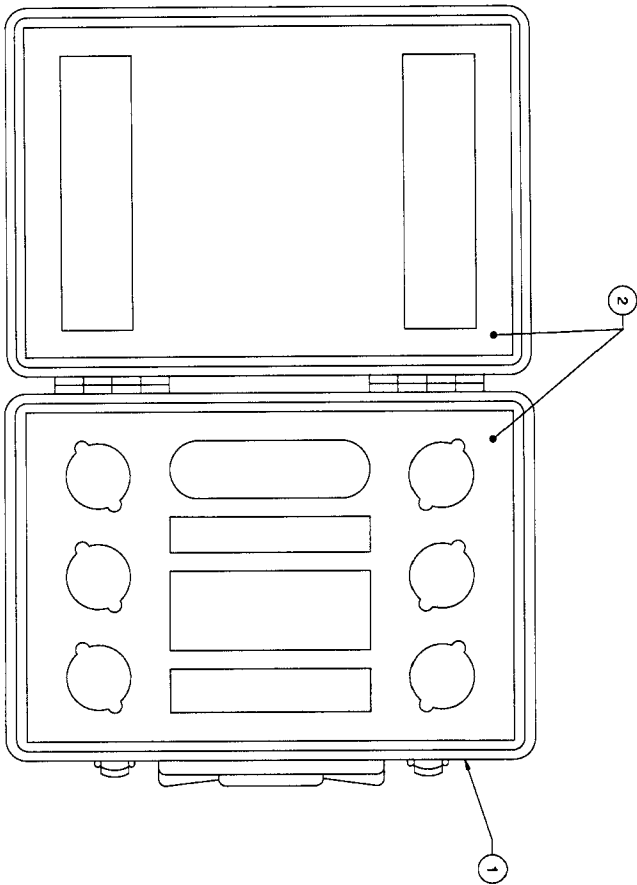
WASHINGTON, D.C. 20362-5101

SIZE	CODE IDENT NO	NAVSEA DWG NO
D	53711	8179208

SCALE: 1/2	SHEET 1 OF 2
------------	--------------

REVISIONS		
LTR	DESCRIPTION	DATE

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED



DESTRUCTION NOTICE - FOR CLASSIFIED DOCUMENTS, FOLLOW THE PROCEDURES IN DOD 5200.22-M, INDUSTRIAL SECURITY MANUAL, CHAPTER 2, SECTION 7 OR DOD 5200.17, INFORMATION SECURITY, CHAPTER 2, SECTION 7. UNCLASSIFIED DOCUMENTS MAY BE DESTROYED BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

WARNING - THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE 22, U.S.C. 6201) AND THE INTERNATIONAL TRADE AND COMMERCE ACT (TITLE 19, U.S.C. 1801). VIOLATIONS OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL PENALTIES. DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF DOD DIRECTIVE 5200.25.

DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOD CONTRACTORS ONLY. SPECIFIC AUTHORITY IS DERIVED FROM THE ARMS EXPORT CONTROL ACT (TITLE 22, U.S.C. 6201) AND THE INTERNATIONAL TRADE AND COMMERCE ACT (TITLE 19, U.S.C. 1801). VIOLATIONS OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL PENALTIES. DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF DOD DIRECTIVE 5200.25.

FOR OFFICIAL USE ONLY

CASE AND FOAM ASSEMBLY	
SIZE	CODE IDENT NO
D	53711
SCALE: 1/2	NAVSEA DWG NO
	8179208
SHEET 2 OF 2	

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-2101)	
CRITICAL-	NONE
MAJOR-	NONE
MINOR-	ALL

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED

- NOTES:**

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.

2. CASE, FIND NO. 1, SHALL BE A PELICAN 1800 MODEL WITH AUTOMATIC PURGE VALVE, ABS LATCHES, AND NEOPENE CLOSED CELL SEAL. INSIDE DIMENSIONS SHALL BE 21.75 L X 16.81 W X 7.87 D. COLOR BLACK. ITEM MAY BE PURCHASED FROM:

PELICAN PRODUCTS INC.
 23215 EARLY AVENUE
 TORRANCE, CA 90505-5400
 CAGE: 65442
 (310) 326-4700

3. INSERT TOP, BOTTOM, AND DIVIDER, FIND NO.2, SHALL BE PROPERLY FITTED IN CASE, FIND NO.1. INSERT SHALL BE PURCHASED FROM:

WILLARD PACKAGING CO.
18940 WOODFIELD ROAD
GAITHERSBURG, MD 20879-9471
CAGE: 1S230
(301) 948-7700

4. ASSEMBLE AND SECURE FOAM INSERT, FIND NO.2, IN CASE, FIND NO.1, USING MANUFACTURERS RECOMMENDED PROCEDURES.

5. ITEM SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 AS FOLLOWS: (USE .38 HIGH CHARACTERS MINIMUM)

SYSTEM NSN:
53711 - 8179186
CASE, DEMOLITION CHARGE
MK 108 MOD 0 BOX 2 OF 2

NSN: []
 53711 - 8179188
 ATTACHMENT PACKAGING ASSEMBLY
 1 EACH
 A/A DATE []
 WEIGHT [] 1.7 CU. FT.
 CONTRACT NO. []

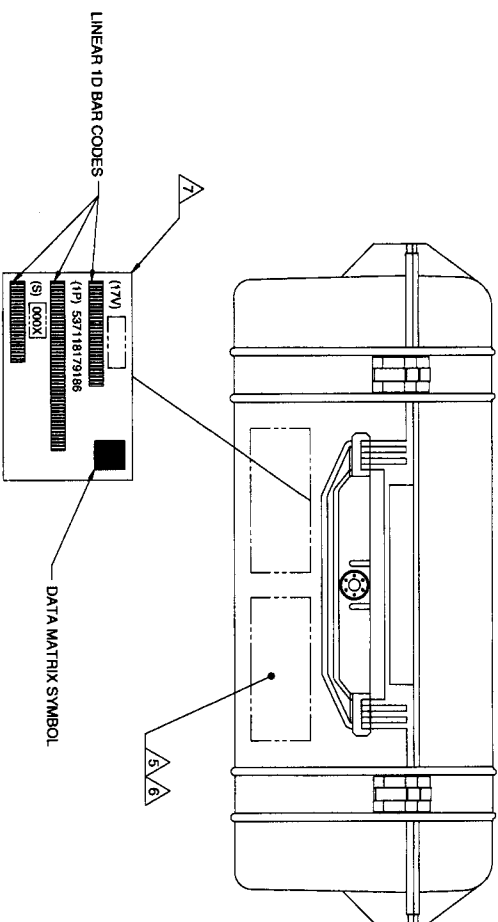
6. BAR CODE IN ACCORDANCE WITH MIL-STD-129

7. CASE, FIND NO. 1, SHALL BE MARKED WITH UNIQUE IDENTIFICATION (UID) USING .25 +/- .03 INCH CHARACTERS IN ACCORDANCE WITH MIL-STD-130, UID CONSTRUCT #2, FORMAT 06, AS SHOWN. MACHINE READABLE INFORMATION (MRI) (BAR CODED DATA MATRIX) APPLIES.

WARNING: THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE
 DISCLOSURE IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE
 22 U.S.C., SEC 2551 (a) (1)) OR THE EXPORT ADMINISTRATION ACT
 OF 1978 (AS AMENDED) TITLE 50 U.S.C. APP 2401 (a) (1). VIOLATIONS
 OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL
 PENALTIES. DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF
 E.O. 13526, 62 FR 52653.

DESTRUCTION NOTICE - FOR CLASSIFIED DOCUMENTS, FOLLOW THE PROCEDURES IN DOD 5220.22-4, INDUSTRIAL SECURITY MANUAL, CHAPTER 8, SECTION 7 FOR DOD 5200.1-1, INFORMATION SECURITY PROGRAM REGULATION, CHAPTER 8, FOR UNCLASSIFIED LIMITED DOCUMENTS, DESTROY BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOD CONTRACTORS ONLY. SPECIFIC AUTHORITY: 19 MAY 05. OTHER REQUEST SHALL BE REFERRED TO NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIAN HEAD, MARYLAND 20640



2	1	(1S230)	CD-N-5001	ATTACHMENT INSERT	3
1	1	(65442)	1600	CASE	2
FIND NO.	QTY.	CODE	PART NO. OR IDENT. NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

NAVAL EXPLOSIVE
ORDNANCE DISPOSAL
TECHNOLOGY DIVISION
INDIAN HEAD MD

DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
WASHINGTON D. C. 20382-5101

**ATTACHMENT CASE AND
FOAM ASSEMBLY**

APPROVED FOR NAVSEA

Jung A. Ueber 05-12-21

SCALE: 1/2

100

SHEET 1 OF 1

OF 2

8

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6

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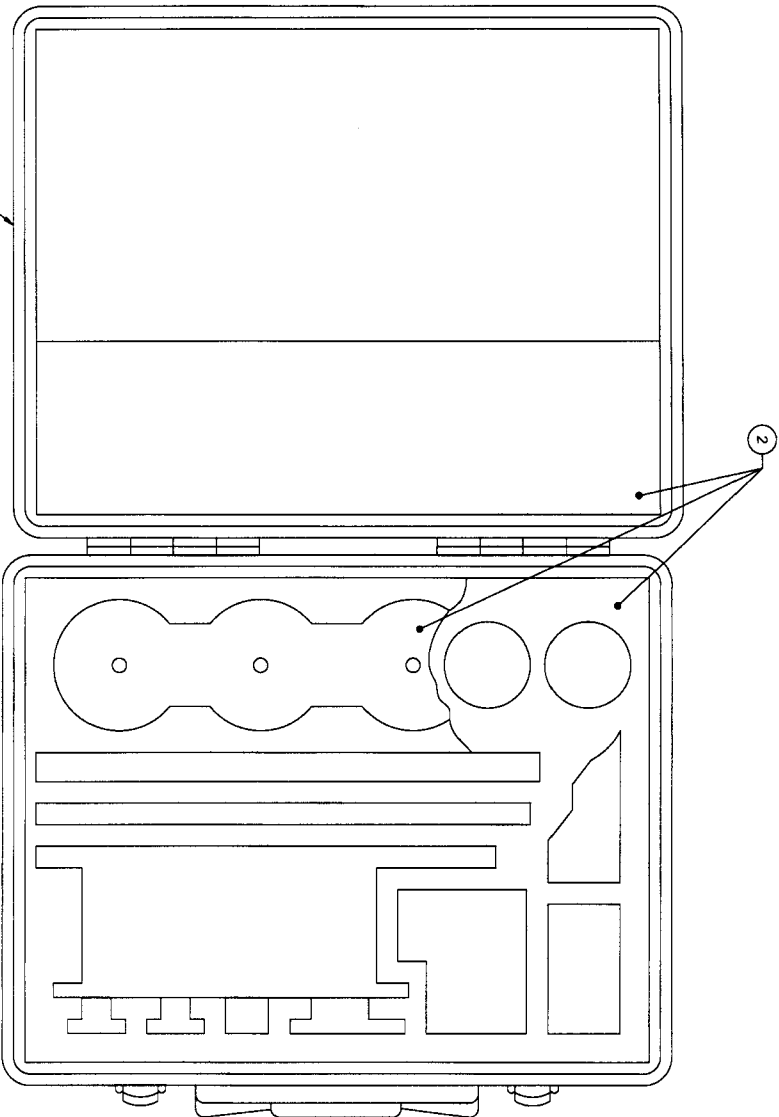
3

2

1

REVISIONS		
LTR	DESCRIPTION	DATE

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED



DESTRUCTION NOTICE: FOR CLASSIFIED DOCUMENTS, FOLLOW THE PROCEDURES IN DOD 5220.224, INDUSTRIAL SECURITY MANUAL, FOR DECLASSIFICATION AND DESTRUCTION. FOR UNCLASSIFIED DOCUMENTS, DESTROY BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

WARNING: THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE 22, U.S.C. 177) AND THE EXPORT ADMINISTRATION ACT (TITLE 19, U.S.C. 1801). IT IS SUBJECT TO THE EXPORT ADMINISTRATION ACT OF 1979, AS AMENDED, TITLE 50, U.S.C. APP. 2401. VIOLATIONS OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL PENALTIES DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF DOD DIRECTIVE 5200.25.

DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOD CONTRACTORS ONLY. SPECIFIC AUTHORITY: 25X DOD FORM 253, 1 FEB 92. PREVIOUS EDITIONS ARE OBSOLETE. ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIAN HEAD, MARYLAND 20640

FOR OFFICIAL USE ONLY

ATTACHMENT CASE AND FOAM ASSEMBLY	
SIZE	CODE IDENT NO
D	53711
SCALE	MANUFACTURING NO
1/2	8179209
SHEET 2 OF 2	

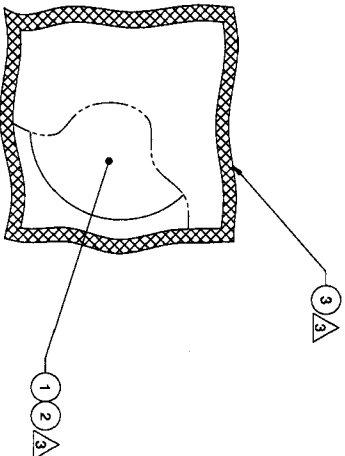
CLASSIFICATION OF CHARACTERISTICS (DD-STD-210)	
CRITICAL	NONE
MAJOR	NONE
MINOR	NIL

REVISIONS		DATE	APPROVED
LTR	DESCRIPTION		

CAD GENERATED DRAWING. MANUAL CHANGES NOT ALLOWED

NOTES:

- INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.
- BAG, FIND NO.3, SHALL BE FABRICATED IN ACCORDANCE WITH MIL-DTL-117, TYPE I, CLASS E, STYLE 2. BAG MATERIAL SHALL BE IN ACCORDANCE WITH MIL-PRF-22191, TYPE I.
- PACKAGE ONE (1) NYLON PAD LINER, FIND NO.1, AND ONE (1) COPPER LINER, FIND NO.2, IN THE SAME HEAT SEALABLE BAG, FIND NO.3, BAG SHALL BE CLOSE FITTING AND SHALL NOT CONTAIN EXCESS EMPTY SPACE. EXHAUST ALL AIR AND HEAT SEAL CLOSED. BAG INTEGRITY AND HEAT SEAL REQUIREMENTS OF MIL-DTL-117 APPLY.



FIND NO.	QTY.	CODE	PART NO. OR IDENT. NO.	SPECIFICATION	MIL-DTL-117	BAGS, HEAT-SEALABLE	2/3
1	1		6915096			LINER, COPPER	3
2	1		6915095			LINER, NYLON PAD	3
FIND NO.	QTY.	CODE	PART NO. OR IDENT. NO.	SPECIFICATION		NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES-ANGLES		FRACTIONS		2 PLACE DECIMALS		3 PLACE DECIMALS		MATERIAL	
817920	817920										
817917	817917										
817918	817918										
817919	817919										
817920	817920										
817921	817921										
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817997	817997										
817998	817998										
817999	817999										
818000	818000										

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WARNING: THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE 22 U.S.C., SEC 2751, et seq.) OR THE EXPORT ADMINISTRATION ACT OF 1979, AS AMENDED, TITLE 22 U.S.C., SEC 2001, et seq. VIOLATIONS OF THESE LAWS ARE SUBJECT TO SEVERAL PENALTIES, INCLUDING FINES, IMPRISONMENT, AND DEPORTATION. PENALTIES DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF DDG DIRECTIVE 6290.25.

DESTRUCTION NOTICE: FOR CLASSIFIED DOCUMENTS, FOLLOW THE PROCEDURES WITHIN 5200.224, ANALYSIS INFORMATION SECURITY PROGRAM REGULATION, CHAPTER 6, FOR UNCLASSIFIED, LIMITED DOCUMENTS, DESTROY BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOCK AND WAREHOUSE DIVISION, INDIAN HEAD, MARYLAND 20640. ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIAN HEAD, MARYLAND 20640.

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1

SIZE CODE IDENT NO. 53711 NAVSEA DWG NO. 8179210

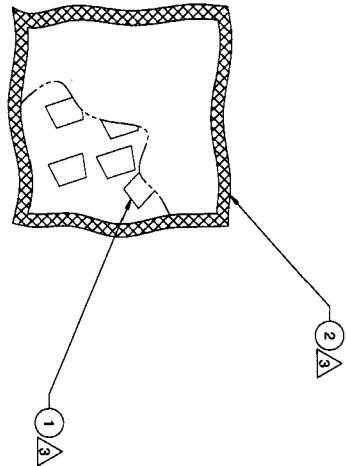
SHEET 1 OF 1

CLASSIFICATION OF CHARACTERISTICS (DDO-STD-210)	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL

REVISIONS		DATE	APPROVED
1			
2			
3			
4			
5			
6			
7			
8			

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED

- NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.
 2. BAG, FIND NO. 2 SHALL BE FABRICATED IN ACCORDANCE WITH MIL-DTL-117, TYPE I, CLASS E, STYLE 2. BAG MATERIAL SHALL BE IN ACCORDANCE WITH MIL-PRF-22191, TYPE I.
 3. PACKAGE SIX (6) DETONATOR RETAINER, FIND NO. 1, IN HEAT SEALABLE BAG, FIND NO. 2, BAG SHALL BE CLOSE FITTING EXHAUST ALL AIR AND HEAT SEAL CLOSED. BAG INTEGRITY AND HEAT SEAL REQUIREMENTS OF MIL-DTL-117 APPLY.



WARNING: THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE DISCLOSURE OR UNAUTHORIZED REPRODUCTION COULD BE DETERMINED TO BE A VIOLATION OF THE EXPORT ADMINISTRATION ACT OF 1979, AS AMENDED, TITLE 50, U.S.C., APP. 2401 et seq. VIOLATIONS OF THESE EXPORT LAWS ARE SUBJECT TO PENALTIES OF IMPRISONMENT, FINE, OR BOTH, AND ARE SUBJECT TO THE PROVISIONS OF DDG DIRECTIVE 5299.25.

DESTRUCTION NOTICE: FOR CLASSIFIED DOCUMENTS, FOLLOW THE PROCEDURES IN DDG 5299.25.4, INDUSTRIAL SECURITY MANUAL, CHAPTER 6, SECTION 6.1.1, FOR UNCLASSIFIED DOCUMENTS, FOLLOW THE PROCEDURES IN DDG 5299.25.4, INDUSTRIAL SECURITY MANUAL, CHAPTER 6, SECTION 6.1.1, FOR UNCLASSIFIED LIMITED DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOD CONTRACTORS ONLY. SPECIFIC AUTHORITY: DDG 5299.25.4, INDUSTRIAL SECURITY MANUAL, CHAPTER 6, SECTION 6.1.1, FOR UNCLASSIFIED LIMITED DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

FOR OFFICIAL USE ONLY

2	1		MIL-DTL-117	BAGS, HEAT-SEALABLE	2/3
1	6	5012947		RETAINER, DETONATOR	3
FIND NO.	QTY.	CODE	PART NO. OR IDENT NO.	SPECIFICATION NO.	MATERIAL OR NOTE
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.					
TOLERANCES ANGLES +/-					
FRACTIONS +/-					
3 PLACE DECIMALS +/-					
MATERIAL:					
8179260 8179260					
8179187 8179186					
NEXT ASSY USED ON					
APPLICATION					
NATA BEN CORP. ORDNANCE DISPOSAL TECHNOLOGY DIVISION INDIAN HEAD, MD.					
DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20380-5101					
DETONATOR RETAINER (BAG OF SIX)					
SIZE CODE IDENT NO. NAVSEA DWG NO. 8179252					
D 53711					
APPROVED FOR NAVSEA					
Jung A. D. 05/14/04 SCALE: NONE					
SHEET 1 OF 1					

REVISIONS			
LTH	DESCRIPTION	DATE	APPROVED

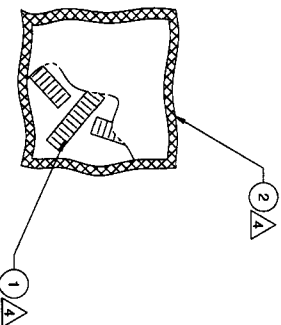
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.

- STUD, FIND NO.1, MAY BE PURCHASED FROM: ANY ITEMS OF EQUAL QUALITY CAN BE USED AS A SUBSTITUTE ITEM WITH APPROVAL OF NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIAN HEAD, MD 20640-5070.

MCMASTER-CARR SUPPLY COMPANY
600 COUNTY LINE ROAD
ELMHURST IL 60126-2081
(732) 329-3200

7. WHEN PURCHASED AS A SEPARATE ITEM(S) BAR CODE IN ACCORDANCE WITH MIL-STD-129



2	1		MIL-DTL-117	BAGS, HEAT-SEALABLE		3	4
1	6	39428	95412A585	STUD (3/12-18 x 1.25 Lb)		2	4
FIND QTY.	CODE	PART NO. OR IDENT. NO.	SPECIFICATION NO.	NOMENCLATURE OR DESCRIPTION		MATERIAL OR NOTE	
NO.	REQD.	IDENT.					
				PARTS LIST			
				NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNICAL DIVISION 1100-000-507-00 2000-000-507-00			
				DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D. C. 20382-5101			
				STUD (BAG OF SIX)			
				SIZE			
				D			
				CODE IDENT NO			
				53711			
				NAVSSEA DWG NO			
				SHEET 1 OF 1			
				1179265			
				SCALE: NONE			
				APPROVED FOR NAVSEA			
				SIGNED <i>Adams</i> 6-13-21			
				DRAWN <i>Adams</i> 6-13-21			
				CHECKED <i>Adams</i> 6-13-21			
				ENGR <i>Adams</i> 6-13-21			
				O.A. <i>Adams</i> 6-13-21			
				C. <i>Adams</i> 6-13-21			
				P. <i>Adams</i> 6-13-21			
				O.K. <i>Adams</i> 6-13-21			
				3 PLACE DECIMALS			
				2 PLACE DECIMALS			
				1 PLACE DECIMALS			
				TOL. FINANCE ANGLES			
				TOL. FINANCE ANGLES			
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
				FRACTIONS			
				MATERIAL:			
				8179188			
				8179188			
				NEXT ASSY USED ON			
				APPLICATION			

FOR OFFICIAL USE ONLY

WARNING: THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE
DISCLOSURE IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT TITLE
2, U.S.C. SECTION 2011, AND THE COMMERCE ADMINISTRATION PROVISIONS
OF THE EXPORT ADMINISTRATION ACT, 50 U.S.C. SECTION 2401. VIOLATION
OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL
PENALTIES. DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF
DOD DIRECTIVE 5200.25.

RESTRICTION NOTICE: FOR UNCLASSIFIED DOCUMENTS, FOLLOW THE
PROCEDURES IN E.O. 5200.2-2, INDUSTRIAL SECURITY, PARAGRAPH
C, CHAPTER 3, SECTION 7, OR E.O. 5200.1-1, INFORMATION SECURITY
PROGRAM REGULATION CHAPTER 6, FOR UNCLASSIFIED LIMITED
DOCUMENTS. FOR CLASSIFIED DOCUMENTS, FOLLOW THE PROCEDURES
FOR DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE
DOCUMENT.

DISTRIBUTION STATEMENT D. DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOD CONTRACTORS ONLY. SPECIFIC AUTHORITY: 18 MAY 06. OTHER REQUEST SHALL BE REFERRED TO NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIAN HEAD, MARYLAND 20640

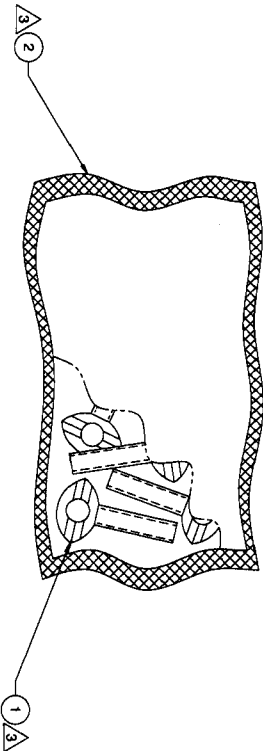
CLASSIFICATION OF CHARACTERISTICS (DD-STD-210)	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL

REVISIONS		DATE	APPROVED
1			
2			
3			
4			
5			
6			
7			
8			

CAD GENERATED DRAWING. MANUAL CHANGES NOT ALLOWED

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.
2. BAG, FIND NO.2, SHALL BE FABRICATED IN ACCORDANCE WITH MIL-DTL-117, TYPE I, CLASS E, STYLE 2. BAG MATERIAL SHALL BE IN ACCORDANCE WITH MIL-PRF-22181, TYPE I.
3. PACKAGE TWENTY-FIVE (25) ALTERED THUMB SCREW, FIND NO.1, IN A HEAT SEALABLE BAG, FIND NO.2. BAG SHALL BE CLOSE FITTING. EXHAUST ALL AIR AND HEAT SEAL CLOSED. BAG INTEGRITY AND HEAT SEAL REQUIREMENTS OF MIL-DTL-117 APPLY.
4. WHEN PROCURED AS SEPARATE ITEM(S), THUMB SCREW (BAG OF TWENTY-FIVE) SHALL BE PACKAGED IN ACCORDANCE WITH MIL-STD-2073, METHOD 10 FOR PHYSICAL PROTECTION. BOX SHALL BE CLOSE FITTING AND FABRICATED IN ACCORDANCE WITH ASTM D5118, STYLE-HSC, TYPE OF: CLASS WEATHER RESISTANT (WR), GRADE Y3; C-PLUTE, CLOSURE METHOD SHALL BE IN ACCORDANCE WITH ASTM D1974, SEALING METHOD A, USING TAPE IN ACCORDANCE WITH A-A-1671, TYPE 1, CLASS 2, STYLE 2, WIDTH OPTIONAL.
5. WHEN PROCURED AS A SEPARATE ITEM(S) THE PACKAGED BOX SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 AS FOLLOWS:
(USE .25 LETTERING MINIMUM)
NSN:
53711 - 8179256
THUMB SCREW (BAG OF TWENTY-FIVE)
1 BOX (CONTAINS 1 BAG WITH 25 EACH)
B (MO/YR)
WEIGHT CU. FT.
6. WHEN PURCHASED AS A SEPARATE ITEM(S) BAR CODE IN ACCORDANCE WITH MIL-STD-129.



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FOR OFFICIAL USE ONLY

2	1		MIL-DTL-117	BAGS, HEAT SEALABLE	2	3
1	25	8179253		ALTERED THUMB SCREW (.312 -18 x 1.50)	3	3
FIND NO.	QTY.	CODE	PART NO. OR IDENT. NO.	SPECIFICATION NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE
PARTS LIST						
UNLESS OTHERWISE SPECIFIED						
DIMENSIONS ARE IN INCHES						
TOLERANCES: ANGLES: +/-						
FRACTIONS: +/-						
2 PLACE DECIMALS +/-						
3 PLACE DECIMALS +/-						
MATERIAL:						
PAPER: 200402070						
DRAWN: 10/10/00						
CHECKED: 10/10/00						
DATE: 10/10/00						
BY: 10/10/00						
QA: 10/10/00						
APPROVED FOR NAWSEA: 10/10/00						
SIZE: CODE IDENT NO: NAWSEA DWG NO: 8179256						
D 53711						
SHEET 1 OF 1						

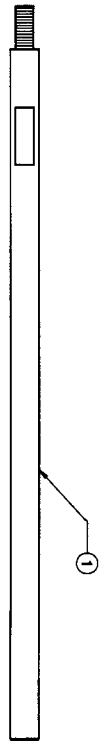
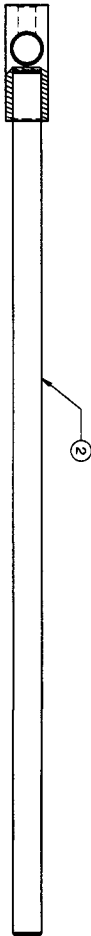
CLASSIFICATION OF CHARACTERISTICS (DD-STD-210)	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL

REVISIONS		DATE	APPROVED
1			
2			
3			
4			
5			
6			
7			
8			

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.
2. WHEN PROCURED AS A SEPARATE ITEM(S) THE CLAMP AND ROD SHALL BE PACKAGED IN ACCORDANCE WITH MIL-STD-2073, METHOD 10 FOR PHYSICAL PROTECTION. BOX SHALL BE CLOSE FITTING AND FABRICATED IN ACCORDANCE WITH ASTM D5118, STYLE-RSC, TYPE CF, CLASS WEATHER RESISTANT (WR), GRADE V3, C-FLUTE. CLOSURE METHOD SHALL BE IN ACCORDANCE WITH ASTM D1974, SEALING METHOD A, USING TAPE IN ACCORDANCE WITH AA-1671, TYPE 1, CLASS 2, STYLE 2, WIDTH OPTIONAL.
3. WHEN PROCURED AS A SEPARATE ITEM(S) THE PACKAGED BOX SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 AS FOLLOWS: (USE 25 LETTERING MINIMUM)
NSN: _____
53711 - 8179258
CLAMP AND ROD
1 EACH
B (MO/YR.) _____
WEIGHT _____ CU. FT.
4. WHEN PROCURED AS A SEPARATE ITEM(S) BAR CODE IN ACCORDANCE WITH MIL-STD-129.



PARTS LIST		DESCRIPTION	MATERIAL OR NOTE
2	1	CLAMP ASSEMBLY	
1	1	12 INCH ROD ASSEMBLY	
NO.	QTY.	PART NO. OR IDENT. NO.	
1	1	8179201	
1	1	8179200	

UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES	
TOLERANCES ANGLES		FRACTIONS	
		DECIMALS	
		PLACE DECIMALS	
		MATERIAL	
8179186		8179186	
NEXT ASSY		USED ON	
APPLICATION			
APPROVED FOR NAVSEA		SCALE: NONE	
DATE: 05-12-20		SIZE: CODE IDENT NO	
		53711	
		NAVSEA DWG NO.	
		8179258	
		SHEET 1 OF 1	

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DESTRUCTION NOTICE: FOR CLASSIFIED DOCUMENTS, FOLLOW THE PROCEDURES IN DDG 2200.22-4, INDUSTRIAL SECURITY MANUAL, PROGRAM REGULATION, CHAPTER 6, FOR UNCLASSIFIED LIMITED DOCUMENTS, DESTROY BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

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A

B

C

D

A

B

C

D

8

7

6

5

4

3

2

1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.

CLASSIFICATION OF CHARACTERISTICS (DDC-STD-210)	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL

REVISIONS		DATE	APPROVED
LTR	DESCRIPTION		

CAD GENERATED DRAWING. MANUAL CHANGES NOT ALLOWED

8179186 - CASE, DEMOLITION CHARGE, MK 108 MOD 0
8179187 - DEMOLITION CHARGE CASE PACKAGING ASSEMBLY

8179196 - ROD MOUNT

8179197 - BLINGEE CORD ASSEMBLY

868721 - SHOCK CORD (BUNGEE) (3/16 BLACK)

3662751 - SHOCK CORD HOOK (3/16 DIA)

3661715 - ADJUSTABLE HOOKS (3/16 DIA)

8179198 - 2 INCH ROD

8179199 - 4 INCH ROD

8179200 - CLAMP AND ROD

8179201 - 12 INCH ROD ASSEMBLY

8179202 - 12 INCH ROD

954124565 - STUD, THREADED (312-18)

91458411 - LOCITE, THREAD LOCK

8179201 - CLAMP ASSEMBLY

8179201-2 - CLAMP

8179201-3 - ROD

8179256 - THUMB SCREW (BAG OF TWENTY-FIVE)

8179253 - ALTERED THUMB SCREW

MIL-DTL-117 - BAGS, HEAT-SEALABLE

8179257 - CAP SCREW (BAG OF SIX)

912744224 - SCREW, CAP, SOCKET HEAD

MIL-DTL-117 - BAGS, HEAT-SEALABLE

SAE AS30871-3-0 - STRAP, TIEDOWN (12.00 LONG)

SAE AS 33671-4-0 - STRAP, TIEDOWN (4.00 LONG)

8179255 - STUD (BAG OF SIX)

954124565 - STUD (312 - 18 X 1.25)

MIL-DTL-117 - BAGS, HEAT-SEALABLE

8179259 - MK 108 MOD 0 DEMOLITION CHARGE CASE DRAWING TREE

8179188 - ATTACHMENT CASE AND FOAM ASSEMBLY

8179189 - ATTACHMENT CASE AND FOAM ASSEMBLY

1800 - CASE

CD-N-5001 - ATTACHMENT INSERT

8179192 - SUCTION CUP ASSEMBLY

8179190 - SUCTION CUP (ALTERED)

8179207 - SUCTION CUP

8179196 - ROD MOUNT

ASME B16.3.3 - SCREW, MACHINE, 8-32

8179193 - MAGNET ASSEMBLY

SA-NEO16-618 - MAGNET AND KEEPER

MIL-DTL-117 - BAGS, HEAT-SEALABLE

MIL-PRE-16173 - CORROSION PREVENTIVE COMPOUND

8179194 - FLEXIBLE ARM ASSEMBLY

23165476 - FLEXIBLE ARM

8179189 - POST

MIL-B-121 - BARRIER MATERIAL, GREASEPROOFED, WATERPROOFED, FLEXIBLE

8179195 - YOKE

8179186 - CASE, DEMOLITION CHARGE, MK 108 MOD 0

8179187 - DEMOLITION CHARGE CASE PACKAGING ASSEMBLY

1500 - CASE

CD-N-500 - FOAM INSERT

8179202 - BODY

8179203 - SLEEVE

8179204 - CAP

8179205 - ADAPTER

8179206 - ADAPTER NUT

8179210 - LINER ASSEMBLY

6915095 - LINER, NYLON PAD

6915096 - LINER, COPPER

MIL-DTL-117 - BAGS, HEAT-SEALABLE

8179191 - LOADING TOOL

SAE-AS8660 - COMPOUND, SILICONE (2 OZ)

8179252 - DETONATOR RETAINER (BAG OF SIX)

5012947 - RETAINER, DETONATOR

MIL-DTL-117 - BAGS, HEAT-SEALABLE

SAE AMS 7264 (135) - PACKING, PREFORMED (O-RING)

MIL-DTL-117 - BAGS, HEAT-SEALABLE

5761994 - MATERIAL SAFETY DATA SHEET (MSDS)

DTL WS 34035 - DEMOLITION CHARGE CASE PACKAGING ASSEMBLY AND EOD REFILL KIT (CASE, DEMOLITION CHARGE)

8179188 - ATTACHMENT CASE AND FOAM ASSEMBLY

8179189 - ATTACHMENT CASE AND FOAM ASSEMBLY

1800 - CASE

CD-N-5001 - ATTACHMENT INSERT

8179192 - SUCTION CUP ASSEMBLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	
TOLERANCES ANGLES	±
FRACTIONS	±
2 PLACE DECIMALS	±
3 PLACE DECIMALS	±
MATERIAL:	
8179186	8179186
NEXT ASSY	USED ON
APPLICATION	

NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION INDIAN HEAD, MD.	
DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20340	
MK 108 MOD 0 DEMOLITION CHARGE CASE DRAWING TREE	
SIZE	CODE IDENT NO
D	53711
SCALE	NONE
APPROVED FOR NAVSEA	NAVSEA DWG NO
53711	8179259
SHEET 1 OF 1	

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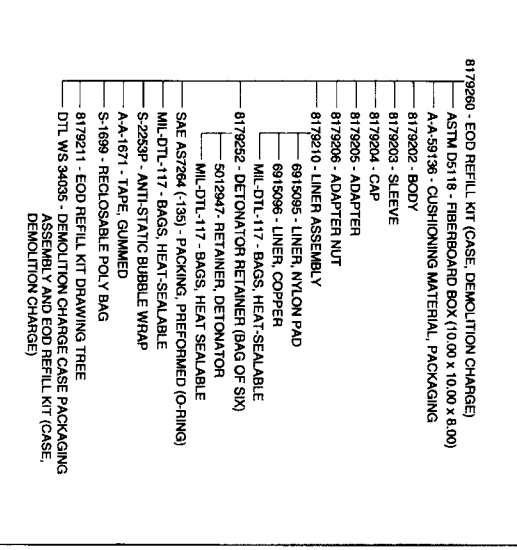
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CLASSIFICATION OF CHARACTERISTICS (DD FORM 210)	
CRITICAL	NONE
MAJOR	NONE
MINOR	ALL

REVISIONS		DATE	APPROVED
1			
2			

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100.



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8179260	8179260	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES: ANGLES: \pm FRACTIONS: \pm 2 PLACE DECIMALS: \pm 3 PLACE DECIMALS: \pm MATERIAL: \pm	NAVAL EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION, INDIAN HEAD, MD. 20640-5110	DEPARTMENT OF THE NAVY, NAVY SEA SYSTEMS COMMAND, WASHINGTON, D.C. 20384-5110
8179260	8179260	PREP BY: 105-14-10 CHK BY: 105-14-10 ENGR BY: 105-14-10 D.A. 105-14-10	APPROVED FOR NAVSEA 105-14-10	SIZE: D 53711 SCALE: NONE NAVSEA DWG NO. 8179211 SHEET 1 OF 1

REVISIONS		DATE	APPROVED
LTR	DESCRIPTION		

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED

NOTE 7 CONTINUED:

- F. PLACE 10.00 x 10.00 x 2.00 SHEET OF CUSHIONING MATERIAL, FIND NO. 2, OVER TOP OF PACK. ASSURE ENTIRE PACK IS A TIGHT FIT.
G. CLOSURE OF FIBERBOARD BOX SHALL BE IN ACCORDANCE WITH ASTM D1974, SEAL METHOD A, USING TAPE, FIND NO. 13.

8. TAPE, FIND NO. 13, SHALL BE IN ACCORDANCE WITH A-A-1671, TYPE II, CLASS 2, STYLE A, 3 INCH WIDE.

9. FIBERBOARD BOX, FIND NO. 1, SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-129 AS FOLLOWS: (USE .38 HIGH CHARACTERS MINIMUM)

NSN : NALC
53711 - 8179260
EOD REFILL KIT
(CASE, DEMOLITION CHARGE)
1 EACH
LOT NUMBER
AAA DATE
WEIGHT .5 CU FT
CONTRACT NO.

10. THE FIBERBOARD BOX, FIND NO. 1, SHALL BE MARKED, LOCATED AS SHOWN, IN 50 MINIMUM LETTERING AS FOLLOWS:
EMPTY DEMOLITION CASES.

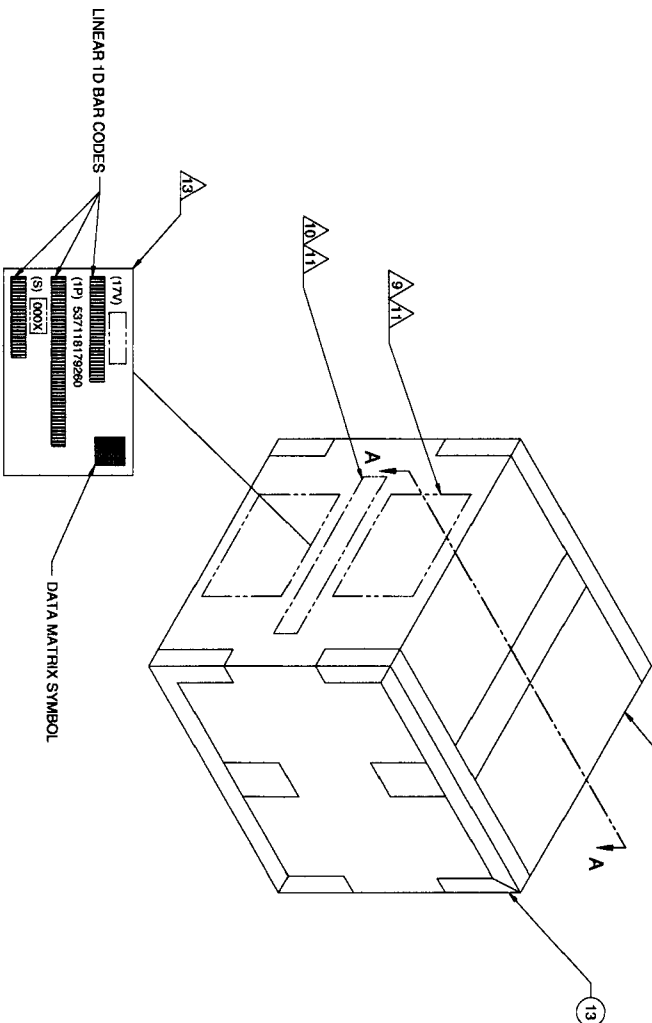
11. BAR CODE IN ACCORDANCE WITH MIL-STD-129.

12. ITEM SHALL COMPLY WITH THE REQUIREMENTS OF DTL WS 34035.

13. FIBERBOARD BOX, FIND NO. 1, SHALL BE MARKED WITH UNIQUE IDENTIFICATION (UID) USING .25 +/- .03 INCH CHARACTERS IN ACCORDANCE WITH MIL-STD-130, UID CONSTRUCT #2, FORMAT 06, AS SHOWN. MACHINE READABLE INFORMATION (MRI) (BAR CODE/DATA MATRIX) APPLIES.

14. REFERENCE INFORMATION ONLY: THE PACKAGED ITEMS APPLICABLE TO THIS DRAWING (8179260) ARE USED FOR REPLACEMENT OF DRAWING 8179187.

15. REFERENCE: FOR DRAWING TREE SEE DRAWING 8179211.



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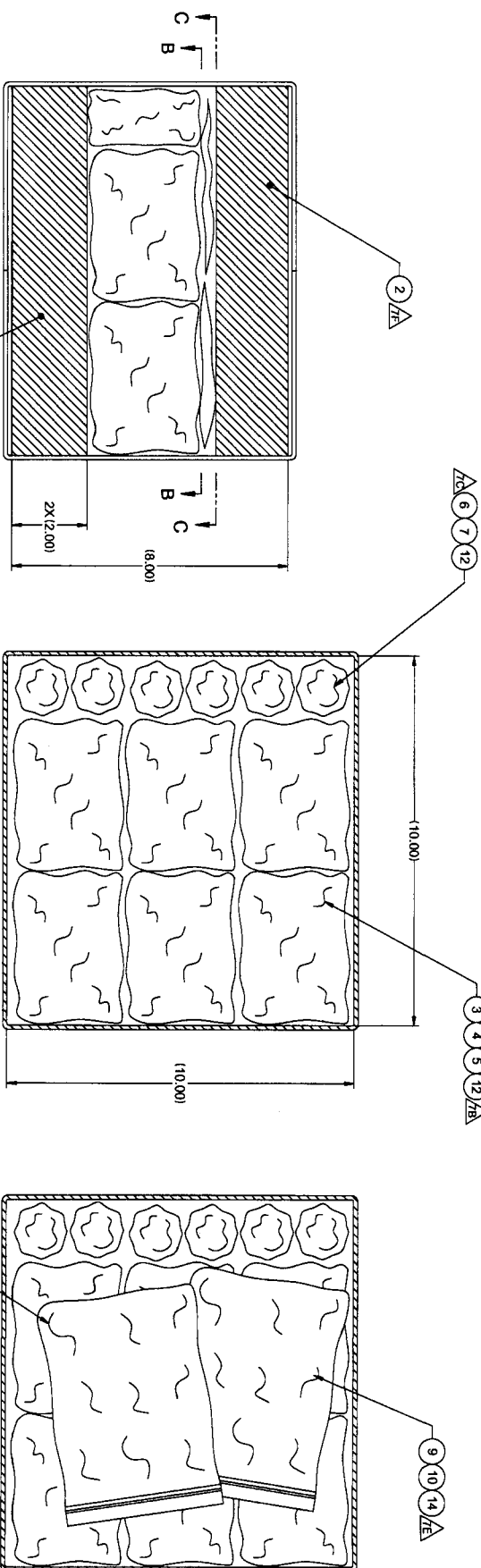
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EOD REFILL KIT (CASE, DEMOLITION CHARGE)	
SIZE CODE IDENT NO D 53711	NAVSEA DWG NO 8179260
SCALE: NONE	SHEET 2 OF 3

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

CAD GENERATED DRAWING, MANUAL CHANGES NOT ALLOWED



SECTION A - A

SCALE: NONE

SECTION B - B

SCALE: NONE

SECTION C - C

SCALE: NONE

DESTRUCTION NOTICE: FOR CLASSIFIED DOCUMENTS, FOLLOW THE PROCEDURES IN DOD 5200.22-M, INDUSTRIAL SECURITY MANUAL, FOR DECLASSIFICATION. FOR UNCLASSIFIED DOCUMENTS, FOLLOW THE PROCEDURES IN DOD 5200.22-M, INDUSTRIAL SECURITY MANUAL, FOR DECLASSIFICATION. FOR UNCLASSIFIED LIMITED DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

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EOD REFILL KIT (CASE, DEMOLITION CHARGE)	
SIZE D	CODE IDENT NO 53711
SCALE: NONE	NAVSADWG NO 8179260
SHEET 3 OF 3	